WEEKLY BULLETINS OF MASS. STATE BOARD OF HEALTH

1905

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Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 7, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 1.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 7, 1905.

Deaths reported to the State Board of Health in 44 Cities and Greater Towns.

STATE LIBRARY OF MASSACHUSETTS

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

MAY 18 1905

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

STATE HOUSE, BOSTON

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths from: Deaths under Five Years.	Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	220	41	37	40	27	3	..	2
Worcester,	136,925	38	14	4	8	2	..	1	1
Fall River,	119,349	43	15	8	9	4	3	..	..
Lowell,	104,402	40	10	6	9	4	2	..	..
Cambridge,	100,998	23	6	8	5	6	..	1	..
Lynn,	73,875	31	9	1	10	1	..	..	..
Lawrence,	72,348	26	9	5	6	4	..	..	..
Springfield,	72,020	16	2	2	..	1	1	..	..
Somerville,	70,413	21	5	2	2	1	..	..	1
New Bedford,	68,863	22	5	2	5	..	2	..	..
Holyoke,	50,538	11	5	2	2	2	..	..	..
Brockton,	46,601	11	2	2	..	2	..	..	..
Newton,	39,310	7	3	1	1	..	1	..	..
Haverhill,	39,061	7	1	2	..	..	..	..	..
Malden,	37,205	10	2	..	4	..	..	..	..
Salem,	37,188	20	7	..	5	..	..	..	..
Chelsea,	36,499	12	1	1	..	1	..	..	..
Fitchburg,	36,335	7	..	..	1	..	..	..	..
Taunton,	34,577	12	1	1	2	1	..	..	..
Everett,	30,209	11	..	2	..	1	1	..	..
North Adams,	29,201	6	3	1	..	..	1	..	..
Quincy,	26,798	12	3	3	3	3	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	5	1	..	..	..	..	..	..
Brookline,	23,576	7	..	..	1	..	..	..	..
Pittsfield,	22,870	8	..	1	1	1	..	..	..
Medford,	21,956	7	1	2	1	1	1	..	..
Chicopee,	21,692	7	3	1	3	..	..	1	..
Northampton,	20,314	5	0	..	..	..	..	..	..
Beverly,	15,807	6	..	..	2	..	..	..	..
Leominster,	15,711	1	..	..	1	..	..	..	..
Clinton,	15,694	2	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	2	..	..	..	..	..	..
Newburyport,	14,478	5	1	..	1	..	..	..	..
Woburn,	14,315	5	..	..	..	..	..	..	..
Melrose,	13,819	3	0	..	1	..	..	..	..
Westfield,	13,809	2	1	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	0	1	1	1	..	..	..
Revere,	13,369	5	..	..	1	..	..	..	..
Framingham,	12,974	8	1	2	1	1	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	..	1	..	..	..	..
Southbridge,	11,716	1	..	1	..	1	..	..	..
Watertown,	11,576	2	0	..	1	..	..	..	..
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	5	0	1	1	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis
Total of reporting towns,	2,233,299	702	155	99	129	66	15	3	4

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 44 Cities and Larger Towns of Massachusetts.

Ninety-nine deaths were reported from the principal infectious diseases: scarlet fever, 2; cerebro-spinal meningitis, 4; diphtheria and croup, 15; typhoid fever, 3; diarrhœal diseases, 4; whooping cough, 2; erysipelas, 2.

No deaths were reported from small-pox, puerperal fever, malarial fever or measles.

There were 66 deaths from consumption, acute lung diseases, 129, still-births, 37.

From scarlet fever: Boston and Framingham, 1 each. From cerebro-spinal meningitis: Boston, 2; Worcester and Somerville, 1 each. From diphtheria and croup: Boston, 3; Fall River, 3; Lowell, 2; New Bedford, 2; Springfield, Newton, Everett, North Adams and Medford, 1 each. From whooping-cough: Cambridge and Haverhill, 1 each. From erysipelas: Boston, 2. From typhoid fever: Worcester, Cambridge and Chicopee, 1 each. From influenza: Haverhill, 1.

Deaths under five years of age, numbered 155, as compared with 155 for the preceding week.

Deaths from the principal infectious diseases numbered 99, as compared with 94 for the preceding week.

The death rates for the week were: Boston, 18.51; Worcester, 14.43; Fall River, 18.73; Lowell, 19.92; Cambridge, 11.84; Lynn, 21.82; Lawrence, 18.68; Springfield, 11.55; Somerville, 15.51; New Bedford, 16.61; Holyoke, 11.32; Brockton, 12.27; Newton, 9.26; Haverhill, 9.32; Malden, 13.97; Salem, 27.96; Chelsea, 17.10; Fitchburg, 10.01; Taunton, 18.04; Everett, 18.93; No. Adams, 10.68; Quincy, 23.28; Gloucester, ——; Waltham, 10.07; Brookline, 15.43; Pittsfield, 18.19; Medford, 16.57; Chicopee, 16.78; Northampton, 12.79; Beverly, 19.74; Leominster, 3.31; Clinton, 6.62; Adams, ——; Attleborough, ——; Hyde Park, 17.93; Newburyport, 17.96; Woburn, 18.16; Melrose, 11.29; Westfield, 7.53; Milford, ——; Marlborough, 15.28; Revere, 19.10; Framingham, 32.06; Peabody, ——; Gardner, 8.44; Southbridge, 4.44; Watertown, 8.94; Weymouth, 4.58; Plymouth, 23.34.

The total death rate for the week was 16.34, as compared with 15.70 and 15.25 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 7, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	125	Typhoid fever,	27
Diphtheria and croup,	140	Measles,	91
Small-pox,	5		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 7, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 1,	29.78	46	52	40	70	73	72	W.	W.	10	8		O.	C.			0.00
Monday, 2,	29.72	43	49	37	80	93	87	S. W.	N. W.	9	4		O.	R.			0.13
Tuesday, 3,	29.67	30	41	18	100	91	96	N. E.	N.	18	22		O.	N.			0.55
Wednesday, 4,	29.70	12	18	6	96	56	76	N.	N. W.	20	15		N.	C.			0.37
Thursday, 5,	30.45	10	16	5	74	61	68	N. W.	N.	7	12		O.	C.			0.00
Friday, 6,	30.50	19	34	4	95	98	96	N.	E.	9	20		N.	N.			0.25
Saturday, 7,	29.58	43	52	34	100	82	91	S. E.	S. W.	24	14		R.	C.			1.29
Week,	29.91		37	21			84										2.59

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

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Once in each month the work done under the Food and Drng Acts is also reported in this bulletin.

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James W. Hull, Pittsfield.
Charles H. Porter, Quincy.
John W. Bartol, M.D., Boston.

Charles Harrington, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 14, 1905.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	232	57	44	58	28	8	1	1
Worcester,	136,925	37	11	3	6	2	..	..	..
Fall River,	119,349	28	13	5	2	1	..	..	..
Lowell,	104,402	40	7	4	5	3	..	..	1
Cambridge,	100,998	27	3	3	5	3	..	..	..
Lynn,	73,875	29	11	1	10	..	1	..	..
Lawrence,	72,348	12	2	5	4	1	1	1	..
Springfield,	72,020	17	4	3	1	..	3	..	..
Somerville,	70,413	21	2	1	4	..	1	..	..
New Bedford,	68,863	26	6	7	2	6	..	..	..
Holyoke,	50,538	12	4	4	1	1	2	..	1
Brockton,	46,601	6	2	1	2	1	..	..	..
Newton,	39,310	9	3	..	1	..	..	..	..
Haverhill,	39,061	11	1	1	2	1	..	..	..
Malden,	37,205	12	3	2	2	1	1	..	..
Salem,	37,188	..	..	..	..	..	..	..	..
Chelsea,	36,499	14	2	..	2	..	..	..	..
Fitchburg,	36,335	10	1	1	2	..	1	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	13	3	2	..	1	..	..	..
North Adams,	29,201	6	0	..	2	..	..	..	..
Quincy,	26,798	3	1	..	..	..	..	..	..
Gloucester,	26,121	2	..	..	..	..	..	..	..
Waltham,	25,797	9	..	1	2	1	..	..	..
Brookline,	23,576	5	1	1	..	1	..	..	..
Pittsfield,	22,870	3	..	1	1	1	..	..	..
Medford,	21,956	13	3	1	..	..	..	..	..
Chicopee,	21,692	4	2	..	1	..	..	..	..
Northampton,	20,314	4	1	..	..	..	..	..	..
Beverly,	15,807	5	1	..	1	..	..	..	..
Leominster,	15,711	5	..	1	..	..	..	..	1
Clinton,	15,694	2	1	..	..	..	..	..	..
Adams,	14,745	4	3	4	..	1	..	..	..
Attleborough,	14,561	3	1	..	..	..	..	..	..
Hyde Park,	14,500	3	0	1	..	1	..	..	..
Newburyport,	14,478	3	0	1	..	1	..	..	..
Woburn,	14,315	4	1	..	1	..	..	..	..
Melrose,	13,819	6	0	1	1	1	..	..	..
Westfield,	13,809	5	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	1	1	..	..	..	..	1
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	6	..	..	..	..	..	..	..
Southbridge,	11,716	2	1	..	..	..	..	..	..
Watertown,	11,575	4	0	..	1	..	..	..	..
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,192,848	664	152	100	119	56	18	2	5

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred deaths were reported from the principal infectious diseases: scarlet fever, 2; cerebro-spinal meningitis 5; diphtheria and croup, 18; typhoid fever, 2; diarrhœal diseases, 7; whooping cough, 5; erysipelas, 2; measles, 1; small-pox, 1; influenza, 1.

No deaths were reported from puerperal fever or malarial fever.

There were 56 deaths from consumption, acute lung diseases, 119, still-births, 51.

From measles: Fall River, 1. From scarlet fever: Boston, 2. From cerebro-spinal meningitis: Boston, Lowell, Holyoke, Marlborough and Leominster, 1 each. From diphtheria and croup: Boston, 8; Springfield, 3; Holyoke, 2; Lynn, Lawrence, Somerville, Malden and Fitchburg, 1 each. From whooping-cough: Boston, 2; Adams, 3. From erysipelas: Boston, 1; New Bedford, 1. From typhoid fever: Boston, 1; Lawrence, 1. From small-pox: Everett, 1. From influenza: Medford, 1.

Deaths under five years of age numbered 152, as compared with 155 for the preceding week.

Deaths from the principal infectious diseases numbered 100, as compared with 99 for the preceding week.

The death rates for the week were: Boston, 19.52; Worcester, 14.05; Fall River, 12.20; Lowell, 19.92; Cambridge, 13.90; Lynn, 20.91; Lawrence, 8.62; Springfield, 12.27; Somerville, 15.51; New Bedford, 19.63; Holyoke, 12.34; Brockton, 6.70; Newton, 11.90; Haverhill, 14.64; Malden, 16.76; Salem, ——; Chelsea, 19.95; Fitchburg, 14.31; Taunton, ——; Everett, 22.37; No. Adams, 10.68; Quincy, 5.92; Gloucester, 3.98; Waltham, 18.13; Brookline, 11.02; Pittsfield, 6.82; Medford, 30.78; Chicopee, 9.59; Northampton, 10.23; Beverly, 16.45; Leominster, 16.55; Clinton, 6.62; Adams, 14.27; Attleborough, 10.71; Hyde Park, 10.76; Newburyport, 10.77; Woburn, 14.53; Melrose, 22.58; Westfield, 18.82; Milford, ——; Marlborough, 11.46; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 25.31; Southbridge, 8.88; Watertown, 17.97; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 15.73, as compared with 16.34 and 15.70 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 14, 1905.

(Under the Provisions of section 52 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	88	Typhoid fever,	28
Diphtheria and croup,	128	Measles,	233
Small-pox,	2		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 14, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 8,	29.88	31	36	26	69	54	62	S. W.	W.	12	24		O.	C.			0.00
Monday, 9,	30.56	30	35	24	66	47	56	W.	S. W.	9	9		C.	C.			0.00
Tuesday, 10,	30.41	31	40	22	62	48	55	S. W.	W.	18	17		O.	C.			0.00
Wednesday, 11,	30.64	25	29	21	57	51	54	W.	N. E.	14	5		O.	O.			0.00
Thursday, 12,	30.01	30	37	22	89	95	92	S. E.	W.	10	5		R.	O.			0.47
Friday, 13,	30.17	27	39	15	55	52	53	N. W.	N. W.	17	14		C.	C.			0.00
Saturday, 14,	30.28	15	20	10	49	53	51	N.	N. W.	9	12		O.	C.			0.00
Week,	30.28		34	20			60										0.47

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of December, 1904: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	331	257	588	Coffee,	9	3	12
Butter,	29	1	30	Cocoa and Chocolate,	3	3	6
Vinegar,	14	6	20	Confectionery,	6	..	6
Spices,	73	4	77	Condensed Milk,	3	2	5
Cream of Tartar,	20	1	21	Flavoring Extracts,	18	9	27
Molasses,	4	..	4	Miscellaneous,	33	20	53
Syrups,	1	..	1	Drugs,	43	23	66
Maple Sugar,	..	2	2				
Maple Syrup,	1	8	9				
Canned Goods,	4	10	14				
Honey,	8	1	9				
Tea,	3	..	3				
				Totals,	603	350	953

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Four complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

NO.	DATE OF TRIAL.	NAME OF DEFENDANT.	PLACE.	CHARACTER OF ARTICLE SOLD.	RESULT OF TRIAL.
1	December 3,	Walter M. Fay,	Southborough,	Milk,	Convicted.
2	December 17,	Walter E. Dickerman,	Brockton,	Milk,	Convicted.
3	December 28,	Joseph Michaud.	Swansea,	Milk,	Convicted.
4	December 29,	George Cooke,	Millis,	Milk,	Convicted.

Amount paid in fines, $73.00.

The samples of drugs examined and found to be adulterated included Aqua Destillata, Capsicum, Extractum Glycyrrhizæ, Extractum Zingiberis Fluidum, Ferrum Reductum, Glycerinum, Oleum Menthæ Piperitæ, Oleum Olivæ, Oleum Ricini, Potassii Iodidum, Pulvis Glycyrrhizæ Compositus, Sodii Iodidum, Sodii Phosphas, Sulphur Præcipitatum, Tinctura Iodi, Unguentum Hydrargyri.

Cities and towns from which samples of food were collected were: Boston, Cambridge, Brockton, Waltham, Marlborough, Natick, Ware, Amherst, Weymouth, Ipswich, Beverly, Lexington, Salem, Gloucester, Fall River, Worcester, Quincy, Chelsea, Revere, Taunton, Lawrence, Lowell, Millis, Reading, Somerville, Lynn, Fitchburg, Newburyport, Melrose, Everett, Malden, Woburn and Haverhill.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of December, 1904.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
52134	December 17.	Boston.	Lemon Extract.	Regal. Regal Extract Co., Boston.	0.25% lemon oil. Formula erroneous.
51889	November 30.	E. Cambridge.	Lemon Extract.	Elmo. Elmo Extract Co., Somerville.	0.05% lemon oil. Formula erroneous.
52281	December 29.	Haverhill.	Lemon Extract.	Trumbull & Co.'s, Hartford, Conn.	No lemon oil.
52168	December 20.	Somerville.	Lemon Extract.	"Concentrated." Myrtle Extract Co., Boston.	No lemon oil.
52010	December 7.	Salem.	Lemon Extract.	Eagle Extract Co.'s, Farnsworth St., Boston.	No lemon oil.
8013 M	December 21.	Ware.	Lemon Extract.	Chas. Stuart & Co.'s, Hartford, Conn.	0.5% lemon oil.
51941	December 3.	Worcester.	Lemon Extract.	Quinsigamond Mills. No address given.	No lemon oil.
52167	December 20.	Somerville.	Vanilla Extract.	Golden Cap Concentrated. Tremont Extract Co.	Contains coumarin.
7765 M	December 2.	Boston.	Honey.	"Miel de Table Suisse," from T. J. Hurlimann, Rapperswyl, Switzerland. S. S. Pierce Co., Sole Agents, Boston.	60% glucose. 18% cane sugar. No formula.
51944	December 3.	Worcester.	Cocoa.	The Mohican Co. No address.	Large admixture of sugar and wheat starch.
51943	December 3.	Worcester.	Coffee.	The Mohican Co. No address.	Small admixture of chicory.
1902 L	November 29.	Lowell.	Cocoa.	Ralston Purina Health Co., St. Louis.	Large admixture of sugar and wheat starch.
3260 L	December 19.	Fall River.	Mace.	"Ambassador." Jno. Van Dyk Co., N. Y.	Large admixture of wild mace.
51973	December 5.	Fitchburg.	Cream of Tartar.	Reliable, absolutely pure. Colonial Tea Co., Fitchburg, Mass.	Admixture of corn starch, gypsum and calcium acid phosphate.
7737 M	December 1.	Brockton.	Maple Syrup.	Manhattan Club. J. H. Folkins & Co., Boston.	Large admixture of refined cane sugar.
7767 M	December 3.	Allston.	Maple Syrup.	Whitcher's. Ayer Preserving Co., Ayer, Mass.	Large admixture of refined cane sugar.
7769 M	December 3.	Allston.	Maple Syrup.	Frank Whitcher, Marshfield, Vt.	Large admixture of refined cane sugar.
51887	November 30.	E. Cambridge.	Maple Syrup.	Victor. Simpson Spring Co., So. Easton, Mass.	Large admixture of refined cane sugar.
52082	December 13.	Boston.	Maple Syrup.	Golden Tree. New England Maple Syrup Co., Boston, Mass.	Large admixture of refined cane sugar.
7711 M	November 30.	Boston.	Currant Jelly.	Ayer Preserving Co., Ayer, Mass.	Colored to conceal inferior quality. Largely apple stock.
7713 M	November 30.	Boston.	Raspberry Jelly.	Ayer Preserving Co., Ayer, Mass.	Colored to conceal inferior quality. Largely apple stock.
51897	November 30.	Lowell.	Red Raspberry Jam.	P. J. Ritter Conserve Co., Philadelphia, Pa.	Colored with a coal tar dye.
51921	December 1.	Lynn.	Strawberry Preserves.	John T. Connor, Corpn., Boston.	Colored with a coal tar dye.
51853	November 29.	Roxbury.	Canned Peas.	Petits Pois, Extra Fins. Pasque Frères.	Greened with copper.
52185	December 21.	Melrose.	Canned Peas.	Petits Pois, Extra Fins. Tisseraud & Fils, Wespelaer, Belgique.	Greened with copper.
52254	December 28.	Woburn.	Canned Peas.	Petits Pois, Extra Fins. Dupont & Co., Bordeaux, France.	Greened with copper.
52322	December 29.	Lowell.	Canned Peas.	Le Soleil Malines, Petits Pois Fins.	Greened with copper.
880 L	October 7.	Holyoke.	Butter.	The Mohican Co., 218 High St., Holyoke.	Renovated butter. Not marked.
7547 M	November 18.	Pittsfield.	Castor Oil.	Forest City Extract Co., Portland, Me.	50% cottonseed oil.
210 L	September 3.	Boston.	Olive Oil.	Fallon's Pharmacy, Hyde Park.	Chiefly petroleum oil. No olive oil.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 21, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 3.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 21, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	256	53	32	57	19	7	..	..
Worcester,	136,925	39	15	3	4	1	..	..	2
Fall River,	119,349	38	17	8	13	3	..	..	..
Lowell,	104,402	28	9	3	8	1	..	1	..
Cambridge,	100,998	32	8	7	6	6	1	..	..
Lynn,	73,875	28	5	1	11	1	..	..	..
Lawrence,	72,348	..	..	..	..	..	..	..	..
Springfield,	72,020	26	7	3	8	3	..	..	..
Somerville,	70,413	17	5	2	4	1	1	..	..
New Bedford,	68,863	27	..	4	2	..	3	..	..
Holyoke,	50,538	17	8	2	2	..	1	..	..
Brockton,	46,601	8	1	2	..	2	..	..	..
Newton,	39,310	6	1	..	1	..	..	..	..
Haverhill,	39,061	15	2	6	2	2	..	..	..
Malden,	37,205	10	1	..	2	..	..	..	..
Salem,	37,188	14	1	2	..	..	..	2	..
Chelsea,	36,499	20	8	2	3	1	1	..	..
Fitchburg,	36,335	8	2	..	1	..	..	..	..
Taunton,	34,577	13	0	1	1	1	..	..	..
Everett,	30,209	5	..	1	..	1	..	..	..
North Adams,	29,201	3	1	..	1	..	..	..	..
Quincy,	26,798	5	3	1	1	..	1	..	..
Gloucester,	26,121	9	3	1	..	..	1	..	..
Waltham,	25,797	5	..	1	..	1	..	..	..
Brookline,	23,576	2	..	..	..	..	..	..	..
Pittsfield,	22,870	5	..	1	1	1	..	..	..
Medford,	21,956	3	..	1	1	..	..	..	..
Chicopee,	21,692	4	1	1	1	1	..	..	..
Northampton,	20,314	3	0	..	..	..	..	..	..
Beverly,	15,807	8	..	..	2	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	1	0	..	..	..	..	..	..
Adams,	14,745	2	1	1	..	1	..	..	..
Attleborough,	14,561	3	2	2	..	2	..	..	..
Hyde Park,	14,500	5	..	..	..	..	..	..	..
Newburyport,	14,478	9	1	1	2	1	..	..	..
Woburn,	14,315	4	2	1	1	1	..	..	..
Melrose,	13,819	2	..	..	..	..	..	..	..
Westfield,	13,809	2	..	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	10	1	..	5	..	..	..	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	..	..	..	..	..	..
Southbridge,	11,716	3	1	1	1	1	..	..	..
Watertown,	11,575	..	..	..	..	..	..	..	..
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,164,979	691	159	91	142	51	16	3	2

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

Ninety-one deaths were reported from the principal infectious diseases: scarlet fever, 2; cerebro-spinal meningitis, 2; diphtheria and croup, 16; typhoid fever, 3; diarrhœal diseases, 12; erysipelas, 1; measles, 1; influenza, 3.

No deaths were reported from small-pox, puerperal fever or malarial fever.

There were 51 deaths from consumption, acute lung diseases, 142, still-hirths, 41.

From measles: Haverhill, 1. From scarlet fever: Boston, 2. From cerebro-spinal meningitis: Worcester, 2. From diphtheria and croup: Boston, 7; New Bedford, 3; Camhridge, Somerville, Holyoke, Chelsea, Gloucester and Quincy, 1 each. From erysipelas: Boston, 1. From typhoid fever: Lowell, 1; Salem, 2. From influenza: Haverhill, 3.

Deaths under five years of age numhered 159, as compared with 152 for the preceding week.

Deaths from the principal infectious diseases numbered 91, as compared with 100 for the preceding week.

The death rates for the week were: Boston, 21.54; Worcester, 14.81; Fall River, 16.55; Lowell, 13.95; Cambridge, 16.47; Lynn, 19.71; Lawrence, ——; Springfield, 18.77; Somerville, 12.55; New Bedford, 20.38; Holyoke, 17.49; Brockton, 8.93; Newton, 7.93; Haverhill, 19.96; Malden, 13.97; Salem, 19.57; Chelsea, 28.50; Fitchhurg, 11.45; Taunton, 19.55; Everett, 8.60; North Adams, 5.34; Quincy, 8.70; Gloucester, 17.91; Waltham, 10.07; Brookline, 4.41; Pittsfield, 11.37; Medford, 7.10; Chicopee, 9.59; Northampton, 7.68; Beverly, 26.32; Leominster, ——; Clinton, 3.31; Adams, 7.13; Attleborough, 10.71; Hyde Park, 17.93; Newhuryport, 32.32; Wohurn, 14.53; Melrose, 7.52; Westfield, 7.53; Milford, ——; Marlborough, 38.21; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, 13.31; Watertown, ——; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 16.59, as compared with 15.73 and 16.34 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 21, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	93	Typhoid fever,	28
Diphtheria and croup,	138	Measles,	222
Small-pox,	4	Leprosy,	1

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 21, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 15,	30.26	14	23	6	51	55		53	W.	S. W.	8	12		C.	C.			0.00
Monday, . . 16,	30.01	24	31	17	52	60		56	S. W.	S. W.	15	12		C.	C.			0.00
Tuesday, . . 17,	29.97	28	35	22	52	70		61	W.	W.	17	10		C.	O.			0.00
Wednesday, . 18,	30.14	32	36	27	60	88		74	W.	S. E.	10	12		O.	O.			0.00
Thursday, . . 19,	29.70	39	49	29	78	73		76	S.	W.	15	15		O.	C.			0.00
Friday, . . 20,	29.94	34	42	27	48	48		48	W.	N.	4	8		O.	F.			0.00
Saturday, . . 21,	30.18	28	33	22	52	80		66	N. W.	S.	10	5		O.	N.			T
Week, . . .	30.03		36	21				62										T

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 28, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	204	35	40	51	26	3	2	4
Worcester,	136,925	46	18	2	9	1	..	..	..
Fall River,	119,349	35	12	7	10	5	1	..	..
Lowell,	104,402	43	9	3	6	3	..	..	..
Cambridge,	100,998	23	4	6	3	4	1	..	..
Lynn,	73,875	27	5	1	7	1	..	..	..
Lawrence,	72,348	22	7	2	7	..	1	..	..
Springfield,	72,020	23	5	2	7	1	1	..	..
Somerville,	70,413	19	3	2		1	1	..	..
New Bedford,	68,863	37	14	8	7	4	2	1	..
Holyoke,	50,538	18	4	4	3	1	2	..	1
Brockton,	46,601	18	3	3	2	3	..	..	..
Newton,	39,310	13	3	1	2	1	..	..	..
Haverhill,	39,061	8	1	1	2	1	..	..	..
Malden,	37,205	15	1	2	2	2	..	..	..
Salem,	37,188	..	..	..	..	..	..	..	..
Chelsea,	36,499	12	1	..	3	..	..	..	..
Fitchburg,	36,335	8	2	1	1	1	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	7	3	1	1	..	1	..	..
North Adams,	29,201	5	1	..	1	..	..	..	..
Quincy,	26,798	4	1	1	..	..	..	..	1
Gloucester,	26,121	8	2	1	..	1	..	..	..
Waltham,	25,797	9	..	..	1	..	..	..	..
Brookline,	23,576	6	1	..	..	..	..	..	..
Pittsfield,	22,870	10	1	..	1	..	..	..	..
Medford,	21,956	5	..	..	1	..	..	..	..
Chicopee,	21,692	5	1	2	..	2	..	..	..
Northampton,	20,314	5	1	1	..	1	..	..	..
Beverly,	15,807	5	1	..	2	..	..	..	..
Leominster,	15,711	5	2	1	..	1	..	..	..
Clinton,	15,694	3	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	2	2	..	..	..	..	..	..
Newburyport,	14,478	6	1	..	1	..	..	..	..
Woburn,	14,315	4	1	1	2	1	..	..	..
Melrose,	13,819	4	1	1	..	..	..	..	..
Westfield,	13,809	3	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	6	0	..	1	..	..	..	..
Revere,	13,609	..	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	2	..	1	..	..	..	..
Southbridge,	11,716	5	3	4	1	1	3	..	..
Watertown,	11,575	4	2	2	1	..	1	..	..
Weymouth,	11,350	..	..	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infections Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,138,583	686	154	100	140	62	17	3	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred deaths were reported from the principal infectious diseases: scarlet fever, 3; cerebro-spinal meningitis, 6; diphtheria and croup, 17; typhoid fever, 3; diarrhœal diseases, 4; measles, 1; influenza, 1.

No deaths were reported from small-pox, erysipelas, puerperal fever or malarial fever.

There were 62 deaths from consumption, acute lung diseases, 140, still-births, 47.

From measles: Melrose, 1. From scarlet fever: Boston, 2; New Bedford, 1. From cerebro-spinal meningitis: Boston, 4; Holyoke, 1; Quincy, 1. From diphtheria and croup: Boston, 3; New Bedford, 2; Holyoke, 2; Fall River, Cambridge, Lawrence, Springfield, Somerville, Everett and Watertown, 1 each; Southbridge, 3. From whooping-cough: Boston and Worcester, 1 each. From typhoid fever: Boston, 2; New Bedford, 1. From influenza: Watertown, 1.

Deaths under five years of age numbered 154, as compared with 159 for the preceding week.

Deaths from the principal infectious diseases numbered 100, as compared with 91 for the preceding week.

The death rates for the week were: Boston, 17.16; Worcester, 17.47; Fall River, 15.25; Lowell, 21.22; Cambridge, 11.84; Lynn, 19.00; Lawrence, 15.81; Springfield, 16.60; Somerville, 14.03; New Bedford, 27.93; Holyoke, 18.52; Brockton, 20.09; Newton, 17.20; Haverhill, 10.65; Malden, 20.95; Salem, ——; Chelsea, 17.10; Fitchburg, 11.45; Taunton, ——; Everett, 12.05; North Adams, 8.90; Quincy, 7.76; Gloucester, 15.92; Waltham, 18.13; Brookline, 13.23; Pittsfield, 22.74; Medford, 11.84; Chicopee, 11.98; Northampton, 12.79; Beverly, 16.45; Leominster, 16.55; Clinton, 9.94; Adams, ——; Attleborough, ——; Hyde Park, 7.17; Newburyport, 21.55; Woburn, 14.53; Melrose, 15.05; Westfield, 11.29; Milford, ——; Marlborough, 22.92; Revere, ——; Framingham, ——; Peabody, ——; Gardner, 16.87; Southbridge, 22.19; Watertown, 17.97; Weymouth, ——; Plymouth, ——.

The total death rate for the week was 16.68, as compared with 16.59 and 15.73 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 28, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	83	Typhoid fever,	23
Diphtheria and croup,	131	Measles,	132
Small-pox,	2		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 28, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 22,	30.03	28	37	20	91	78		84	S. E.	N. W.	8	12		R.	C.			0.11
Monday, . . 23,	30.28	17	22	12	57	48		52	N. W.	N. W.	14	12		C.	C.			0.09
Tuesday, . . 24,	30.14	16	27	6	81	92		86	N. W.	N. E.	5	16		O.	N.			0.09
Wednesday, . 25,	29.65	17	25	9	96	100		98	N.	N.	24	30		N.	N.			0.81
Thursday, . . 26,	29.81	10	16	5	69	50		60	N. W.	N. W.	24	24		O.	C.			T
Friday, . . 27,	30.06	20	30	10	54	50		52	W.	W.	12	15		C.	O.			0.00
Saturday, . . 28,	29.99	24	32	16	68	57		62	S. W.	W.	8	12		O.	C.			0.02
Week, . . .	29.99		27	11				71										1.03

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 4, 1905.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 4, 1905.

Deaths reported to the State Board of Health in 45 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	213	42	33	38	16	3	3	2
Worcester,	136,925	49	15	5	9	2	1	..	1
Fall River,	119,349	35	17	5	16	3	..	1	..
Lowell,	104,402	36	10	3	8	1	1	1	..
Cambridge,	100,998	22	7	4	1	2	..	1	..
Lynn,	73,875	40	8	1	10	..	..	1	..
Lawrence,	72,348	24	7	5	7	4	..	1	..
Springfield,	72,020	34	9	6	8	4	2	..	..
Somerville,	70,413	33	9	4	11	2	1	..	1
New Bedford,	68,863	31	11	3	8	2	1	..	..
Holyoke,	50,538	15	7	1	2	1	..	..	..
Brockton,	46,601	13	3	1	2	..	..	..	..
Newton,	39,310	8	1	1	2	1	..	..	..
Haverhill,	39,061	12	3	2	2	1	..	..	..
Malden,	37,205	14	2	3	2	3	..	..	..
Salem,	37,188	10	3	..	..	..	..	..	..
Chelsea,	36,499	23	8	1	6	1	..	..	..
Fitchburg,	36,335	5	3	..	1	..	..	..	..
Taunton,	34,577	14	6	1	5	1	..	..	..
Everett,	30,209	10	..	4	..	4	..	..	..
North Adams,	29,201	5	3	1	1	..	1	..	..
Quincy,	26,798	15	2	2	1	2	..	..	..
Gloucester,	26,121	11	4	2	..	2	..	..	..
Waltham,	25,797	8	1	1	2	1	..	..	..
Brookline,	23,576	7	..	..	1	..	..	..	..
Pittsfield,	22,870	8	..	1	2	1	..	..	..
Medford,	21,956	6	2	..	2	..	..	..	..
Chicopee,	21,692	12	3	1	3	1	..	..	..
Northampton,	20,314	6	2	1	2	1	..	..	..
Beverly,	15,807	4	..	..	2	..	..	..	..
Leominster,	15,711	3	..	1	1	1	..	..	..
Clinton,	15,694	4	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	8	3	1	3	..	..	..	..
Hyde Park,	14,500	2	1	..	..	..	..	..	..
Newburyport,	14,478	8	0	..	2	..	..	..	..
Woburn,	14,315	6	1	..	3	..	..	..	..
Melrose,	13,819	5	0	..	1	..	..	..	..
Westfield,	13,809	3	1	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	..	..	..	..	..	..
Revere,	13,609	0	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	1	1	..	..	..	..	..	..
Southbridge,	11,716	5	3	2	1	1	..	..	..
Watertown,	11,575	2	1	1	1	..	..	..	..
Weymouth,	11,350	11	1	..	4	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,249,868	783	201	97	171	58	10	8	4

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 45 Cities and Larger Towns of Massachusetts.

Ninety-seven deaths were reported from the principal infectious diseases: scarlet fever, 4; cerebro-spinal meningitis, 4; diphtheria and croup, 10; typhoid fever, 8; diarrhœal diseases, 7; erysipelas, 4; whooping-cough, 1; puerperal fever, 1.

No deaths were reported from small-pox, measles, malarial fever or influenza.

There were 58 deaths from consumption, acute lung diseases, 171, still-births, 46.

From scarlet fever: Boston, 2; Brockton, 1; Attleborough, 1. From cerebro-spinal meningitis: Boston, 2; Worcester, 1; Somerville, 1. From diphtheria and croup: Boston, 3; Springfield, 2; Worcester, Lowell, Somerville, New Bedford, and North Adams, 1 each. From whooping-cough: Boston, 1. From erysipelas: Boston, 2; Worcester, 1; Cambridge, 1. From typhoid fever: Boston, 3; Fall River, Lowell, Cambridge, Lynn and Lawrence, 1 each.

Deaths under five years of age numbered 201, as compared with 154 for the preceding week.

Deaths from the principal infectious diseases numbered 97, as compared with 100 for the preceding week.

The death rates for the week were: Boston, 17.92; Worcester, 18.61; Fall River, 15.25; Lowell, 17.93; Cambridge, 11.32; Lynn, 28.15; Lawrence, 17.25; Springfield, 24.54; Somerville, 24.37; New Bedford, 23.40; Holyoke, 15.43; Brockton, 14.50; Newton, 10.58; Haverhill, 15.97; Malden, 19.55; Salem, 13.98; Chelsea, 32.77; Fitchburg, 7.15; Taunton, 21.05; Everett, 17.21; North Adams, 8.90; Quincy, 29.10; Gloucester, 21.89; Waltham, 16.12; Brookline, 15.43; Pittsfield, 18.19; Medford, 14.20; Chicopee, 28.76; Northampton, 15.35; Beverly, 13.16; Leominster, 9.93; Clinton, 13.25; Adams, ——; Attleborough, 28.57; Hyde Park, 7.17; Newburyport, 28.73; Woburn, 21.79; Melrose, 18.81; Westfield, 11.29; Milford, ——; Marlborough, 7.64; Revere, ——; Framingham, ——; Peabody, ——; Gardner, 4.22; Southbridge, 22.19; Watertown, 8.98; Weymouth, 50.39; Plymouth, ——.

The total death rate for the week was 18.09, as compared with 16.68 and 16.59 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 4, 1905.

(Under the Provisions of section 32 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	92	Typhoid fever,	44
Diphtheria and croup,	101	Measles,	157
Small-pox,	0		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 4, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Jan. 29,	30.33	20	27	12	72	46	59	W.	S. W.	8	9	C.	C.		0.00
Monday, 30,	30.44	20	23	16	68	63	66	N. W.	N.	8	13	O.	C.		0.00
Tuesday, 31,	30.38	16	22	9	66	55	60	N.	N. W.	14	5	O.	C.		0.00
Wednesday, Feb. 1,	30.20	18	26	11	67	55	61	W.	W.	8	11	C.	O.		0.00
Thursday, 2,	29.99	18	25	11	58	51	54	W.	W.	10	20	O.	C.		0.00
Friday, 3,	30.19	15	22	8	65	64	64	W.	W.	12	9	C.	C.		0.00
Saturday, 4,	30.42	12	19	5	67	59	63	N. W.	N. W.	10	12	C.	C.		0.00
Week,	30.28		23	10			61								0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 11, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 6.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
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GERARD C. TOBEY, Esq., Wareham.
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CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 11, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis
Boston,	617,950	233	50	37	56	27	5	1	..
Worcester,	136,925	45	10	5	15	1	..	..	4
Fall River,	119,349	45	20	10	15	6	..	..	..
Lowell,	104,402	42	11	6	6	5	1	..	..
Cambridge,	100,998	29	6	5	6	4	..	1	..
Lynn,	73,875	24	4	1	7	1	..	..	..
Lawrence,	72,348	33	7	5	10	2	..	..	2
Springfield,	72,020	21	5	4	5	3	1	..	..
Somerville,	70,413	17	2	2	7	2	..	..	..
New Bedford,	68,863	38	10	2	8	1	..	..	..
Holyoke,	50,538	15	4	2	5	1	..	..	1
Brockton,	46,601	13	6	1	..	1	..	..	..
Newton,	39,310	8	1	..	3	..	..	..	..
Haverhill,	39,061	13	3	1	4	..	..	..	..
Malden,	37,205	8	2	..	2	..	..	..	..
Salem,	37,188	10	6	2	..	2	..	..	..
Chelsea,	36,499	19	2	..	3	..	..	..	..
Fitchburg,	36,335	10	3	1	2	1	..	..	..
Taunton,	34,577	12	3	4	..	4	..	..	..
Everett,	30,209	7	1	5	..	4	..	..	1
North Adams,	29,201	4	0	..	1	..	..	..	..
Quincy,	26,798	9	2	3	1	1	1	..	1
Gloucester,	26,121	7	1	..	..	..	..	..	..
Waltham,	25,797	11	..	1	2	1	..	..	..
Brookline,	23,576	8	1	..	..	..	..	..	..
Pittsfield,	22,870	16	2	4	2	3	..	..	..
Medford,	21,956	7	3	..	4	..	..	..	..
Chicopee,	21,692	2	1	2	..	1	1	..	..
Northampton,	20,314	7	1	1	1	..	..	..	..
Beverly,	15,807	6	..	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	2	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	5	3	1	2	1	..	..	..
Hyde Park,	14,500	4	0	..	..	..	..	..	..
Newburyport,	14,478	8	2	..	2	..	..	..	..
Woburn,	14,315	10	3	4	..	3	1	..	..
Melrose,	13,819	2	0	1	..	1	..	..	..
Westfield,	13,809	9	1	2	3	2	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	7	2	1	..	..	..	..	1
Revere,	13,609	1	1	..	1	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	1	1	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	6	1	3	..	2	..	..	..
Weymouth,	11,350	7	2	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis
Total of reporting towns,	2,222,441	783	185	117	174	80	10	2	10

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One bundred and seventeen deaths were reported from the principal infectious diseases: scarlet fever, 4; cerebro-spinal meningitis, 10; diphtheria and croup, 10; typhoid fever, 2; diarrhœal diseases, 5; influenza, 3; erysipelas, 1; whooping-cough, 1; puerperal fever, 1.

No deaths were reported from small-pox or malarial fever.

There were 80 deaths from consumption, acute lung diseases, 114, still-births, 49.

From scarlet fever: Boston, 2; Lawrence and Pittsfield, 1 each. From cerebro-spinal meningitis: Worcester, 4; Lawrence, 2; Holyoke, Everett, Quincy and Marlborough, 1 each. From diphtheria and croup: Boston, 5; Lowell, Springfield, Quincy, Chicopee and Woburn, 1 each. From whooping-cough: Fall River, 1. From erysipelas: Northampton, 1. From typhoid fever: Boston and Cambridge, 1 each. From influenza: Haverhill, Gardner and Watertown, 1 eacb.

Deaths under five years of age numbered 185, as compared with 201 for the preceding week.

Deaths from tbe principal infectious diseases numbered 117, as compared with 97 for the preceding week.

The death rates for the week were: Boston, 19.60; Worcester, 17.08; Fall River, 19.60; Lowell, 20.00; Cambridge, 14.93; Lynn, 16.89; Lawrence, 23.72; Springfield, 15.16; Somerville, 12.55; New Bedford, 28.69; Holyoke, 15.43; Brockton, 14.50; Newton, 10.58; Haverhill, 17.30; Malden, 11.17; Salem, 13.98; Cbelsea, 27.07; Fitchburg, 14.31; Taunton, 18.05; Everett, 12.04; North Adams, 7.12; Quincy, 17.46; Gloucester, 13.93; Waltbam, 22.16; Brookline, 17.64; Pittsfield, 36.38; Medford, 16.57; Chicopee, 4.79; Northampton, 17.91; Beverly, 19.74; Leominster, ——; Clinton, 9.94; Adams, ——; Attleborough, 17.85; Hyde Park, 14.34; Newburyport, 28.73; Woburn, 36.32; Melrose, 7.52; Westfield, 33.88; Milford, ——; Marlborough, 26.75; Revere, 3.82; Framingbam, ——; Peabody, ——; Gardner, 8.44; Southbridge, ——; Watertown, 26.95; Weymouth, 32.07; Plymouth, ——.

The total death rate for the week was 18.32, as compared witb 18.09 and 16.68 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 11, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	77	Typhoid fever,	23
Diphtheria and croup,	109	Measles,	114
Small-pox,	1		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Feb. 11, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 5,	30.50	19	26	7	52	47		50	N. W.	S.	12	8		C.	C.			0.00
Monday, 6,	30.00	11	33	22	94	100		97	E.	N. W.	20	14		N.	O.			0.71
Tuesday, 7,	30.00	14	29	15	78	58		68	W.	N. W.	18	24		O.	C.			T
Wednesday, 8,	30.36	19	31	12	51	35		47	N. W.	N.	18	4		C.	C.			0.00
Thursday, 9,	30.10	12	32	20	93	98		96	N. W.	E.	5	8		N.	R.			0.29
Friday, 10,	29.81	14	40	26	100	45		72	W.	W.	9	15		O.	C.			0.11
Saturday, 11,	30.32	10	26	16	53	48		50	W.	W.	15	8		C.	C.			0.00
Week,	30.16		31	17				68										1.11

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of January, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	108	63	171	Canned Corn,	20	1	21
Butter,	9	. .	9	Canned Crabs,	1	. .	1
Cheese,	. .	. .	. .	Canned Asparagus,	2	. .	2
Lard,	8	. .	8	Canned Peas,	12	. .	12
Gluten Flour,	. .	2	2	Honey,	1	. .	1
Jams,	2	4	6	Hamburg Steak,	1	7	8
Spices,	18	3	21	Tripe,	. .	6	6
Cream of Tartar,	2	1	3	Sausages,	14	9	23
Extracts,	2	1	3	Drugs,	9	2	11
Syrups,	. .	1	1	Beer and Ale,	17	8	25
Maple Sugar,	. .	. .	. .				
Maple Syrup,	5	1	6				
				Totals,	231	109	340

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Twelve complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	January 7,	Wallace J. Lothrop,	Ipswich,	Milk,	Convicted.
2	January 10,	William H. Tobin,	Salem,	Milk,	Convicted.
3	January 10,	Stefan Bik,	Salem,	Milk,	Convicted.
4	January 10,	Julius Belis,	Salem,	Milk,	Convicted.
5	January 11,	Leude Tousignant,	Lowell,	Milk,	Convicted.
6	January 12,	Patrick H. Martin,	Beverly,	Milk,	Convicted.
7	January 19,	George H. Thwing,	Boston,	Hamburg Steak,	Convicted.
8	January 19,	Charles W. Warren,	Boston,	Hamburg Steak,	Convicted.
9	January 19,	William T. Crowther,	Boston,	Hamburg Steak,	Convicted.
10	January 19,	William H. Bezanson,	Boston,	Hamburg Steak.	Convicted.
11	January 19,	Arthur H. Atwood,	Boston,	Hamburg Steak,	Convicted.
12	January 19,	Herbert S. Kingman,	Boston,	Hamburg Steak,	Convicted.

Amount paid in fines, $410.00.

The samples of drugs found to be adulterated were Spiritus Camphoræ and Tinctura Iodi.

Cities and towns in which samples of food were collected were: Boston, Worcester, Salem, Holyoke, Beverly, Lexington, Burlington, Rockland, Lowell, Milford, Cambridge and Attleborough.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of January, 1905.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
3604 L	January 11.	Cambridge.	Cream of Tartar.	Purity Cream of Tartar. Absolutely Pure. Purity Baking Powder Co., Boston, Mass.	Admixture of corn starch, calcium and calcium acid phosphate.
3836 L	January 19.	Boston.	Maple Syrup.	Old Homestead. B. F. Chamberlain, Jr., Walpole, Mass.	Large admixture of refined cane sugar.
3692 L	January 16.	Boston.	Pork Sausage.	Childs & Sleeper, 17 F. H. Market, Boston.	Preserved with boric acid.
3498 L	January 6.	Boston.	Beer.	Belladear Lager Beer. Glenbrook Distilling Co., Boston.	Preserved with salicylic acid.
3626 L	January 12.	Boston.	Beer.	Salzburger Beer. McCormick Brewery Co., Boston.	Preserved with salicylic acid.
3590 L	January 10.	Boston.	Beer.	Harvard Brewing Co., $1000 Pure Beer, Lowell, Mass.	Preserved with salicylic acid.
3886 L	January 23.	Boston.	Ale.	Chr. Fiegensparis Special Stock Ale., N. J.	Preserved with salicylic acid.
3508 L	January 6.	Boston.	Raspberry Syrup.	Oneida Co. Kenwood, N. J.	Preserved with salicylic acid.
3574 L	January 9.	Boston.	Mace.	H. A. Johnson & Co., Boston. Box marked "Pure."	Largely wild mace and nutmeg.
3576 L	January 9.	Boston.	Mace.	Logan, Johnson & Co., Boston. Box marked "Pure."	Large admixture of wild mace.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 18, 1905.

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STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
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JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 18, 1905.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis
Boston,	617,950	223	45	45	53	31	3	2	2
Worcester,	136,925	38	5	3	6	3	..	..	..
Fall River,	119,349	62	35	8	20	6	..	1	..
Lowell,	104,402	36	8	5	6	5	..	..	..
Cambridge,	100,998	27	6	7	4	6	..	..	..
Lynn,	73,875	31	10	..	9	..	..	..	..
Lawrence,	72,348	28	7	2	8	2	..	..	..
Springfield,	72,020	17	2	3	4	3	..	..	..
Somerville,	70,413	17	1	3	3	2	..	..	..
New Bedford,	68,863	34	9	5	9	4	..	1	..
Holyoke,	50,538	..	..	..	..	..	..	..	..
Brockton,	46,601	17	2	5	4	3	..	..	2
Newton,	39,310	4	2	..	..	..	..	..	..
Haverhill,	39,061	10	3	1	3	1	..	..	..
Malden,	37,205	12	1	1	2	1	..	..	..
Salem,	37,188	8	2	..	..	..	..	..	..
Chelsea,	36,499	15	2	1	4	1	..	..	..
Fitchburg,	36,335	9	2	2	1	1	1	..	..
Taunton,	34,577	18	3	1	3	..	..	..	..
Everett,	30,209	6	1	1	..	1	..	..	..
North Adams,	29,201	10	2	2	..	2	..	..	..
Quincy,	26,798	6	1	1	..	1	..	..	..
Gloucester,	26,121	7	1	..	..	..	..	..	..
Waltham,	25,797	4	1	1	..	..	..	..	1
Brookline,	23,576	5	..	..	1	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	7	2	..	1	..	..	..	..
Chicopee,	21,692	5	2	1	1	1	..	..	..
Northampton,	20,314	14	2	..	4	..	..	..	..
Beverly,	15,807	2	..	..	1	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	0	..	1	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	0	..	..	..	..	..	..
Newburyport,	14,478	5	0	1	4	..	..	..	..
Woburn,	14,315	3	1	..	..	..	..	..	..
Melrose,	13,819	1	0	..	..	..	..	..	..
Westfield,	13,809	5	..	1	1	..	..	1	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	7	1	..	1	..	..	..	..
Revere,	13,609	5	1	..	2	..	..	..	..
Framingham,	12,974	9	1	1	..	1	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	3	2	2	..	..	..	..	2
Southbridge,	11,716	6	1	4	..	2	..	..	1
Watertown,	11,575	2	0	..	..	..	..	..	..
Weymouth,	11,350	7	0	1	1	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,159,162	731	164	108	157	78	4	5	8

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and eight deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 1; cerebro-spinal meningitis, 8; diphtheria and croup, 4; typhoid fever, 5; diarrhœal diseases, 6; erysipelas, 1; whooping-cough, 1; puerperal fever, 1; influenza, 1.

No deaths were reported from small-pox or malarial fever.

There were 78 deaths from consumption, acute lung diseases, 157, still-births, 40.

From measles: Boston and Fall River, 1 each. From scarlet fever: Taunton, 1. From cerebro-spinal meningitis: Boston, 2; Brockton, 2; Gardner, 2; Waltham, 1; Southbridge, 1. From whooping-cough: Boston, 1. From erysipelas: Boston, 1. From typhoid fever: Boston, 2; Fall River, New Bedford and Westfield, 1 each. From influenza: Newburyport, 1.

Deaths under five years of age numbered 164, as compared with 185 for the preceding week.

Deaths from the principal infectious diseases numbered 108, as compared with 117 for the preceding week.

The death rates for the week were: Boston, 18.76; Worcester, 14.43; Fall River, 27.01; Lowell, 17.93; Cambridge, 13.90; Lynn, 21.82; Lawrence, 20.12; Springfield, 12.27; Somerville, 12.55; New Bedford, 25.67; Holyoke, ——; Brockton, 18.97; Newton, 5.29; Haverhill, 13.31; Malden, 16.76; Salem, 11.18; Chelsea, 21.37; Fitchburg, ——; Taunton, 27.07; Everett, 10.32; North Adams, 17.81; Quincy, 11.64; Gloucester, 13.93; Waltham, 8.06; Brookline, 11.02; Pittsfield, ——; Medford, 16.57; Chicopee, 11.98; Northampton, 35.82; Beverly, 6.62; Leominster, ——; Clinton, 6.62; Adams, ——; Attleborough, ——; Hyde Park, 14.34; Newburyport, 17.96; Woburn, 10.90; Melrose, 3.76; Westfield, 18.82; Milford, ——; Marlborough, 26.75; Revere, 19.10; Framingham, 36.00; Peabody, ——; Gardner, 12.66; Southbridge, 22.19; Watertown, 8.94; Weymouth, 32.07; Plymouth, ——.

The total death rate for the week was 17.40, as compared with 18.32 and 18.09 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 18, 1905.

(Under the Provisions of section 52 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	102	Typhoid fever,	29
Diphtheria and croup,	109	Measles,	129
Small-pox,	2		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 18, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 12,	30.20	22	33	10	72	94	83	N. W.	S. E.	4	12	C.	N.		0.36
Monday, 13,	29.42	26	40	12	95	51	73	S. W.	W.	5	18	O.	C.		0.10
Tuesday, 14,	30.10	12	18	6	59	47	53	S. W.	S. W.	12	15	C.	C.		0.00
Wednesday, 15,	30.04	18	25	11	61	77	69	S. W.	N. W.	5	11	O.	C.		T
Thursday, 16,	30.24	15	22	8	52	51	52	W.	S. W.	14	12	C.	C.		0.00
Friday, 17,	29.91	27	38	16	62	52	57	S. W.	S. W.	14	15	O.	O.		0.00
Saturday, 18,	30.14	20	29	12	52	48	50	W.	W.	20	18	C.	C.		0.00
Week,	30.01		29	11			62								0.46

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 25, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 8.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 25, 1905.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis
Boston,	617,950	217	45	42	47	27	3	3	3
Worcester,	136,925	49	13	6	8	4	..	..	1
Fall River,	119,349	57	27	8	18	5	..	..	1
Lowell,	104,402	27	4	4	6	1	..	1	1
Cambridge,	100,998	23	7	4	7	2	1	..	..
Lynn,	73,875	24	6	2	4	1	1	..	..
Lawrence,	72,348	22	6	2	7	1	..	1	..
Springfield,	72,020	26	3	3	6	3	..	..	..
Somerville,	70,413	24	4	8	2	3	1	..	2
New Bedford,	68,863	26	7	3	11	..	..	..	..
Holyoke,	50,538	12	4	1	3	..	1	..	..
Brockton,	46,601	16	4	1	..	1	..	..	..
Newton,	39,310	11	2	4	1	3	..	..	..
Haverhill,	39,061	19	4	7	2	4	..	..	..
Malden,	37,205	11	..	3	3	3	..	..	..
Salem,	37,188	19	4	1	3	1	..	..	..
Chelsea,	36,499	10	1	..	..	..	..	..	..
Fitchburg,	36,335	8	2	1	..	..	..	..	..
Tauntou,	34,577	22	2	2	6	2	..	..	..
Everett,	30,209	7	1	..	..	..	..	..	..
North Adams,	29,201	10	2	1	1	..	1	..	..
Quincy,	26,798	0	..	..	..	..	..	..	..
Gloucester,	26,121	11	..	..	..	..	..	..	..
Waltham,	25,797	8	3	1	3	..	1	..	..
Brookline,	23,576	5	..	1	..	1	..	..	..
Pittsfield,	22,870	13	2	1	3	1	..	..	..
Medford,	21,956	1	..	..	1	..	..	..	..
Chicopee,	21,692	10	3	3	3	1	1	..	..
Northampton,	20,314	7	1	..	2	..	..	..	..
Beverly,	15,807	5	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	1	..	..	..	..	..	..
Adams,	14,745	3	1	..	1	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	0	..	..	..	..	..	..
Newburyport,	14,478	6	1	..	..	..	..	..	..
Woburn,	14,315	8	1	..	1	..	..	..	..
Melrose,	13,819	1	1	1	..	1	..	..	..
Westfield,	13,809	5	0	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	0	2	..	..	..	..	..
Revere,	13,609	2	2	..	1	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	..	..	1	..	..	..	..
Southbridge,	11,716	2	..	1	..	1	..	..	..
Watertown,	11,575	2	0	.	1	..	..	..	..
Weymouth,	11,350	6	1	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis
Total of reporting towns,	2,234,341	747	166	113	153	66	10	5	8

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and thirteen deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 3; cerebro-spinal meningitis, 8; diphtheria and croup, 10; typhoid fever, 5; diarrhœal diseases, 9; influenza, 5; erysipelas, 2; whooping-cough, 2; puerperal fever, 2.

No deaths were reported from small-pox or malarial fever.

There were 66 deaths from consumption, acute lung diseases, 153, still-births, 46.

From measles: Haverhill, 1. From scarlet fever: Worcester, Cambridge and Somerville, 1 each. From cerebro-spinal meningitis: Boston, 3; Somerville, 2; Worcester, Fall River and Lowell, 1 each. From diphtheria and croup: Boston, 3; Cambridge, Lynn, Somerville, Holyoke, North Adams, Waltham and Chicopee, 1 each. From whooping-cough: Boston and Newton, 1 each. From erysipelas: Somerville, 1; Marlborough, 1. From typhoid fever: Boston, 3; Lowell and Lawrence, 1 each. From influenza: Haverhill, 2; New Bedford, Chicopee and Marlborough 1 each.

Deaths under five years of age numbered 166, as compared with 164 for the preceding week.

Deaths from the principal infectious diseases numbered 113, as compared with 108 for the preceding week.

The death rates for the week were: Boston, 18.26; Worcester, 18.61; Fall River, 24.93; Lowell, 13.45; Cambridge, 11.84; Lynn, 16.89; Lawrence, 15.80; Springfield, 18.77; Somerville, 17.72; New Bedford, 19.63; Holyoke, 12.34; Brockton, 17.85; Newton, 14.55; Haverhill, 25.28; Malden, 15.36; Salem, 26.56; Chelsea, 14.25; Fitchburg, 11.45; Taunton, 33.08; Everett, 12.04; North Adams, 17.81; Quincy, ——; Gloucester, 21.89; Waltham, 16.12; Brookline, 11.02; Pittsfield, 29.56; Medford, 2.37; Chicopee, 23.97; Northampton, 17.91; Beverly, 16.45; Leominster, ——; Clinton, 16.56; Adams, 10.70; Attleborough, ——; Hyde Park, 3.58; Newburyport, 21.55; Woburn, 29.05; Melrose, 3.76; Westfield, 18.82; Milford, ——; Marlborough, 15.28; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, 8.87; Watertown, 8.98; Weymouth, 27.48; Plymouth, ——.

The total death rate for the week was 17.38, as compared with 17.40 and 18.32 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 25, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	91	Typhoid fever,	29
Diphtheria and croup,	118	Measles,	121
Small-pox,	0		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 25, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 19,	30.62	16	25	7	76	55	66	W.	S. W.	15	9	C.	C.		0.00
Monday, 20,	30.36	28	38	19	64	87	76	S. W.	S. W.	12	15	O.	O.		0.02
Tuesday, 21,	30.28	38	43	32	73	72	72	N.	N. E.	12	12	C.	C.		0.00
Wednesday, 22,	30.37	28	33	22	86	76	81	N.	N. E.	15	20	O.	O.		T
Thursday, 23,	30.14	26	34	17	57	36	46	N.	N.	20	12	F.	C.		0.00
Friday, 24,	29.98	30	40	21	43	42	42	N.	N. W.	11	12	F.	C.		0.00
Saturday, 25,	29.79	30	34	26	62	68	65	N. W.	S. E.	12	8	C.	C.		0.00
Week,	30.22		35	21			64								0.02

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

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OF

MASSACHUSETTS

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MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 4, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

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				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	230	59	49	37	35	2	1	4
Worcester,	136,925	44	4	4	3	1	..	..	2
Fall River,	119,349	..	..	..	..	..	..	..	..
Lowell,	104,402	35	8	7	5	3	1	1	2
Cambridge,	100,998	32	8	4	6	4	..	..	..
Lynn,	73,875	33	7	2	12	2	..	..	..
Lawrence,	72,348	20	3	4	8	3	..	..	..
Springfield,	72,020	21	3	4	4	3	1	..	..
Somerville,	70,413	20	3	1	4	1	..	..	..
New Bedford,	68,863	19	9	4	3	3	..	..	..
Holyoke,	50,538	16	5	7	2	4	1	1	1
Brockton,	46,601	12	2	2	..	1	..	1	..
Newton,	39,310	16	2	2	3	1	1	..	..
Haverhill,	39,061	12	2	4	1	2	..	..	..
Malden,	37,205	6	1	1	2	1	..	..	..
Salem,	37,188	8	3	..	..	..	..	..	..
Chelsea,	36,499	19	2	4	3	4	..	..	..
Fitchburg,	36,335	14	7	..	3	..	..	..	..
Taunton,	34,577	17	3	5	2	2	1	..	..
Everett,	30,209	4	..	..	..	..	..	..	..
North Adams,	29,201	5	2	1	1	..	1	..	..
Quincy,	26,798	8	1	2	1	2	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	11	2	1	1	1	..	..	..
Brookline,	23,576	6	..	..	1	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	6	..	1	1	1	..	..	..
Chicopee,	21,692	10	5	2	3	1	..	..	..
Northampton,	20,314	10	2	1	2	1	..	..	..
Beverly,	15,807	5	..	..	2	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	1	1	..	1	..	..	..
Adams,	14,745	5	1	..	1	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	..	1	..	1	..	..	..
Newburyport,	14,478	7	2	1	..	..	..	..	1
Woburn,	14,315	5	0	2	2	2	..	..	..
Melrose,	13,819	7	1	..	1	..	..	..	..
Westfield,	13,809	3	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	6	2	2	2	2	..	..	..
Revere,	13,609	1	0	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	2	..	..	1	..	..	..	..
Watertown,	11,575	7	0	.	2	..	..	..	..
Weymouth,	11,350	0	..	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,053,677	687	150	119	119	82	8	4	10

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases: scarlet fever, 2; cerebro-spinal meningitis, 10; diphtheria and croup, 8; typhoid fever, 4; diarrhœal diseases, 3; erysipelas, 2; whooping-cough, 2; puerperal fever, 2; influenza, 3; malarial fever, 1.

No deaths were reported from small-pox or measles.

There were 82 deaths from consumption, acute lung diseases, 119, still-births, 50.

From scarlet fever: Boston and Taunton, 1 each. From cerebro-spinal meningitis: Boston, 4; Worcester and Lowell, 2 each; Holyoke and Newburyport, 1 each. From diphtheria and croup: Boston, 2; Lowell, Springfield, Holyoke, Newton, Taunton and North Adams, 1 each. From whooping-cough: Boston and Worcester, 1 each. From erysipelas: Boston, 2. From typhoid fever: Boston, Lowell, Holyoke and Brockton, 1 each. From influenza: Haverhill, 2; New Bedford, 1. From malarial fever: Chicopee, 1.

Deaths under five years of age numbered 150, as compared with 166 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 113 for the preceding week.

The death rates for the week were: Boston, 19.35; Worcester, 16.71; Fall River, ——; Lowell, 17.43; Cambridge, 16.47; Lynn, 23.28; Lawrence, 14.37; Springfield, 15.16; Somerville, 14.77; New Bedford, 14.34; Holyoke, 16.46; Brockton, 13.39; Newton, 21.16; Haverhill, 15.97; Malden, 8.38; Salem, 11.18; Chelsea, 27.07; Fitchburg, 20.03; Taunton, 25.57; Everett, 6.88; North Adams, 8.60; Quincy, 15.52; Gloucester, ——; Waltham, 22.16; Brookline, 13.23; Pittsfield, ——; Medford, 14.21; Chicopee, 23.97; Northampton, 25.59; Beverly, 16.45; Leominster, ——; Clinton, 13.25; Adams, 17.84; Attleborough, ——; Hyde Park, 3.58; Newburyport, 25.14; Woburn, 18.16; Melrose, 26.34; Westfield, 11.29; Milford, ——; Marlborough, 22.92; Revere, 3.82; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 8.87; Watertown, 31.44; Weymouth, ——; Plymouth, ——.

The total death rate for the week was 17.39, as compared with 17.38 and 17.40 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 4, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

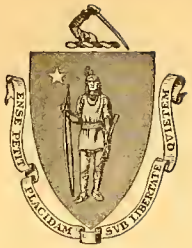
Scarlet fever,	95	Typhoid fever,	24
Diphtheria and croup,	79	Measles,	110
Small-pox,	0		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 4, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, Feb. 26,	29.65	33	39	27	66	50		58	S. W.	N. W.	3	15		C.	O.			T
Monday, 27,	29.83	26	30	21	51	52		52	W.	S. W.	15	12		O.	C.			0.00
Tuesday, 28,	29.82	30	39	21	62	66		64	S. W.	W.	8	10		C.	C.			T
Wednesday, Mar. 1,	29.93	26	32	19	51	51		51	N. W.	N. W.	10	15		O.	C.			0.00
Thursday, 2,	29.93	24	33	14	58	54		56	W.	N. W.	13	10		C.	C.			0.00
Friday, 3,	29.87	28	38	18	49	57		53	W.	W.	8	10		F.	C.			0.00
Saturday, 4,	29.86	26	38	14	84	60		72	S. W.	N. W.	6	15		N.	C.			T
Week,	29.84		36	19				58										T

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.



Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 11, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 10.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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GERARD C. TOBEY, Esq., Wareham.
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CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 11, 1905.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningiti
Boston,	617,950	214	40	46	42	32	2	1	2
Worcester,	136,025	42	20	6	11	2	..	..	3
Fall River,	119,349	45	24	7	19	4	..	..	..
Lowell,	104,402	31	6	5	6	2	..	..	1
Cambridge,	100,998	24	3	3	6	3	..	..	..
Lynn,	73,875	19	3	2	1	2	..	..	..
Lawrence,	72,348	25	9	2	6	2	..	..	..
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	21	3	2	5	1	..	..	..
New Bedford,	68,863	27	8	3	6	3	..	..	..
Holyoke,	50,538	17	8	2	7	..	..	..	..
Brockton,	46,601	10	3	2	..	2	..	..	..
Newton,	39,310	11	3	..	3	..	..	..	..
Haverhill,	39,061	11	3	3	..	2	..	..	..
Malden,	37,205	14	2	2	2	2	..	..	..
Salem,	37,188	22	8	4	..	2	2	..	..
Chelsea,	36,499	13	3	1	3	1	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	15	4	..	4	..	..	..	..
Everett,	30,209	10	3	1	..	..	..	1	..
North Adams,	29,201	5	0	1	1	..	..	..	..
Quincy,	26,798	11	1	2	..	2	..	..	..
Gloucester,	26,121	6	1	..	..	..	..	..	..
Waltham,	25,797	7	..	..	2	..	..	..	..
Brookline,	23,576	3	1	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	5	2	..	1	..	..	..	..
Chicopee,	21,692	7	2	2	1	1	..	..	..
Northampton,	20,314	7	3	1	2	..	1	..	..
Beverly,	15,807	3	..	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	7	1	..	1	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	3	1	1	..	1	..	..	..
Newburyport,	14,478	7	2	..	2	..	..	..	..
Woburn,	14,315	6	3	1	3	..	..	..	..
Melrose,	13,819	6	1	3	..	1	..	..	..
Westfield,	13,809	4	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	3	1	1	..	..	..	..
Revere,	13,609	5	1	..	4	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	1	1	..	..	..	..	..	..
Watertown,	11,575	5	0	..	1	..	..	..	..
Weymouth,	11,350	4	0	1	1	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningiti
Total of reporting towns,	2,076,047	678	176	106	141	68	5	2	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and six deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 2; cerebro-spinal meningitis, 6; diphtheria and croup, 5; typhoid fever, 2; diarrhœal diseases, 9; influenza, 3; erysipelas, 6; whooping-cough, 1; puerperal fever, 1.

No deaths were reported from small-pox or malarial fever.

There were 68 deaths from consumption, acute lung diseases, 141, still-births, 51.

From measles: Fall River, Lowell and Melrose, 1 each. From scarlet fever: Boston and Melrose, 1 each. From cerebro-spinal meningitis: Boston, 2; Worcester, 3; Lowell, 1. From diphtheria and croup: Boston and Salem, 2 each; Northampton, 1. From whooping-cough: Lowell, 1. From erysipelas: Boston, 2; Worcester, Holyoke, Chicopee and Marlborough, 1 each. From typhoid fever: Boston and Everett, 1 each. From influenza: Haverhill, North Adams and Woburn, 1 each.

Deaths under five years of age numbered 176, as compared with 150 for the preceding week.

Deaths from the principal infectious diseases numbered 106, as compared with 119 for the preceding week.

The death rates for the week were: Boston, 18.00; Worcester, 15.95; Fall River, 19.61; Lowell, 15.44; Cambridge, 12.35; Lynn, 13.37; Lawrence, 17.97; Springfield, ——; Somerville, 15.51; New Bedford, 20.38; Holyoke, 17.49; Brockton, 11.16; Newton, 14.55; Haverhill, 14.64; Malden, 19.55; Salem, 30.75; Chelsea, 18.52; Fitchburg, ——; Taunton, 22.56; Everett, 17.21; North Adams, 8.90; Quincy, 21.34; Gloucester, ——; Waltham, 14.10; Brookline, 6.61; Pittsfield, ——; Medford, 11.84; Chicopee, 16.78; Northampton, 17.91; Beverly, 9.87; Leominster, ——; Clinton, 23.19; Adams, ——; Attleborough, ——; Hyde Park, 10.76; Newburyport, 25.14; Woburn, 21.79; Melrose, 22.58; Westfield, 15.06; Milford, ——; Marlborough, 19.10; Revere, 19.10; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 4.44; Watertown, 22.46; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 17.38, as compared with 17.39 and 17.38 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 11, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	99	Typhoid fever, ...	11
Diphtheria and croup, ...	86	Measles, ...	141
Small-pox, ...	0		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 11, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 5,	30.20	19	31	12	35	42		38	N. W.	S. W.	12	10		O.	O.			0.00
Monday, . . 6,	30.36	11	33	22	47	38		42	N. W.	N. W.	16	10		C.	C.			0.00
Tuesday, . . 7,	30.46	22	40	18	50	76		63	W.	S.	4	11		O.	T-O			0.07
Wednesday, . 8,	29.88	11	41	30	91	100		96	S. W.	W.	8	7		R.	R.			0.77
Thursday, . . 9,	30.00	14	47	33	61	67		64	N. W.	S.	6	12		F.	O.			0.24
Friday, . . 10,	29.76	13	47	34	93	61		77	N.	W.	5	13		O.	C.			0.14
Saturday, . . 11,	30.26	30	35	25	51	36		44	W.	W.	16	17		C.	C.			0.00
Week, . . .	30.13		39	25				61										1.22

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of February, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	89	65	154	Lemon Extract,	..	1	1
Butter,	5	..	5	Vanilla Extract,	1	..	1
Cheese,	4	..	4	Tripe,	2	1	3
Lard,	2	..	2	Coffee,	1	..	1
Gluten Foods,	1	3	4	Cocoa and Chocolate,	2	..	2
Vinegar,	..	3	3	Hamburg Steak,	17	18	35
Spices,	5	..	5	Sausage and Ham,	10	13	23
Cream of Tartar,	..	1	1	Beer and Ale,	2	2	4
Molasses,	1	..	1	Drugs,	56	32	88
Jam and Jelly,	1	6	7				
Maple Sugar,	..	2	2				
Maple Syrup,	..	1	1				
				Totals,	199	148	347

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Twenty-one complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Date of Trial.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	February 3,	Christopher Johnson,	Burlington,	Milk,	Conviction.
2	February 9,	Leslie C. Allen,	Brockton,	Milk,	Conviction.
3	February 11,	Jonathan D. Kelley,	Salem,	Milk,	Conviction.
4	February 14,	Vincen H. Fairey,	Brockton,	Maple Syrup,	Conviction.
5	February 14,	Charles F. Giles,	Somerville,	Butter,	Conviction.
6	February 16,	Clarence Mahoney,	Lowell,	Milk,	Conviction.
7	February 16,	Harry W. Parker,	Lowell,	Spirits of Camphor,	Conviction.
8	February 17,	Clarence H. Stowell,	Attleborough,	Milk,	Conviction.
9	February 18,	Edward H. Conley,	Brockton,	Tincture of Iodine,	Conviction.
10	February 21,	Albert Locketti,	Brockton,	Maple Sugar,	Conviction.
11	February 21,	Joseph T. Lang,	Brockton,	Tincture of Iodine,	Conviction.
12	February 23,	David Freshman,	Allston,	Maple Syrup,	Conviction.
13	February 23,	David Freshman,	Allston,	Maple Syrup,	Conviction.
14	February 24,	Fred. B. Morse,	Marlborough,	Olive Oil,	Conviction.
15	February 24,	Fred. B. Morse,	Marlborough,	Tincture of Iodine,	Conviction.
16	February 25,	Samuel H. Ware,	Peabody,	Hamburg Steak,	Conviction.
17	February 25,	Frank Forsney,	Peabody,	Hamburg Steak,	Discharged.
18	February 25,	Daniel P. Grosvenor,	Peabody,	Tincture of Iodine,	Conviction.
19	February 28,	Arthur B. Ryan,	Boston,	Cream of Tartar,	Conviction.
20	February 28,	Frank A. Epstein,	Boston,	Distilled Water,	Conviction.
21	February 28,	Frank A. Epstein,	Boston,	Tincture of Iodine,	Conviction.

Fines imposed, $1211.00.

The samples of drugs found to be adulterated were Calx Chlorata, Cera Alba, Cera Flava, Aqua Destillata, Extractum Glycyrrhizæ, Extractum Zingiberis Fluidi, Oleum Cinnamomui, Oleum Limonis, Spiritus Camphoræ, Sulphur Præcipitatum, Tinctura Iodi, Unguentum Zinci Oxidi.

Cities and towns in which samples of food were collected were: Lowell, Salem, Marlborough, Cambridge, Boston, Chelsea Attleborough, Revere, Brookline, Malden, Brockton, Peabody, Fitchburg, Waltham, Somerville, Danvers, Weymouth, Gloucester and Needham

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of February, 1905.

Number of Sample.	Date of Collection.	City or Town where Purchased.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
8439 M			Cream of Tartar.	Colonial Tea Co., Fitchburg, Mass.	Admixture of calcium sulphate, calcium phosphate and corn starch.
8527 M	February 16.	Danvers.	Maple Syrup.	Manhattan Club. J. H. Folkins & Co., Boston, Mass.	Large admixture of refined cane sugar.
8225 M			Gluten Flour.	"Protosac". The Health Food Co., N. Y.	Advertised to contain 40% proteids. Not true.
8227 M			Gluten Flour.	"Glutosac". The Health Food Co., N. Y.	Advertised to contain 35% proteids. Not true.
8347 M			Cold Blast Extra Flour.	The Health Food Co., N. Y.	Advertised to contain 22% proteids. Not true.
4040 L	February 10.	Cambridge.	Peach Fruit Jam.	George K. McMeechen & Son Co., Wheeling, W. Va.	Preserved with benzoic acid. No formula.
4042 L	February 10.	Cambridge.	Raspberry Fruit Jam.	George K. McMeechen & Son Co., Wheeling, W. Va.	Preserved with benzoic acid. No formula.
4044 L	February 10,	Cambridge.	Quince Fruit Jam.	George K. McMeechen & Son Co., Wheeling, W. Va.	Preserved with benzoic acid. No formula.
4046 L	February 10,	Cambridge.	Strawberry Fruit Jam.	George K. McMeechen & Son Co., Wheeling, W. Va.	Preserved with benzoic acid. No formula.
4048 L	February 10,	Cambridge.	Damson Fruit Jam.	George K. McMeechen & Son Co , Wheeling, W. Va.	Preserved with benzoic acid. No formula.
8499 M			Raspberry Jelly.	Ayer Preserving Co., M'f'd. by J. T. Pillman & Co., Ayer, Mass.	Colored with a coal tar dye (not in formula) to conceal inferiority. (Apple stock.)
4264 L	February 24,	Marlborough.	Lemon Extract.	Granger's Concentrated. J. E. Granger.	Contains no lemon oil.
904 L	Oct. 7, '04.	Holyoke.	Chlorinated Lime.	Acme Brand. A. Mendelson & Son, Albany, N. Y.	Less than 1% of required strength.
4000 L	February 8.	Marlborough.	Chlorinated Lime.	Acme Brand. A. Mendelson & Son, Albany, N. Y.	1.1% of required strength.
1884 L	Nov. 29, '04.	Lowell.	Chlorinated Lime.	Acme Brand. A. Mendelson & Son, Albany, N. Y.	57.6% of required strength.
8655 M	February 24.	Boston.	Red Fox Ale.	Massachusetts Breweries Co., Boston.	Preserved with calcium acid sulphite. No formula.

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MORTALITY OF MASSACHUSETTS

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We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Boston,	617,950	233	53	46	43	24	6	3	3
Worcester,	136,925	36	11	3	5	2	..	..	..
Fall River,	119,349	35	15	7	19	4	..	..	..
Lowell,	104,402	38	7	4	7	2	..	..	1
Cambridge,	100,998	30	6	5	8	4	..	1	..
Lynn,	73,875	23	4	2	6	..	1	..	1
Lawrence,	72,348	29	12	6	6	..	..	..	1
Springfield,	72,020	18	4	3	1	2	..	..	1
Somerville,	70,413	30	5	4	4	2	..	..	..
New Bedford,	68,863	17	8	1	3	1	..	..	1
Holyoke,	50,538	10	5	2	1	1	..	..	1
Brockton,	46,601	8	0	1	..	1	..	..	..
Newton,	39,310	8	5	1	1	..	1	..	..
Haverhill,	39,061	10	1	3	4	2	..	1	..
Malden,	37,205	10	2	..	1	..	..	..	..
Salem,	37,188	7	1	1	2	1	..	..	..
Chelsea,	36,499	10	5	2	2	2	..	..	..
Fitchburg,	36,335	..	..	..	..	..	..	..	..
Taunton,	34,577	22	9	5	3	3	..	1	..
Everett,	30,209	7	4	..	..	..	..	..	..
North Adams,	29,201	3	0	..	1	..	..	..	..
Quincy,	26,798	9	1	2	2	..	..	..	1
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	10	1	2	2	1	1	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	3	1	1	..	1	..	..	..
Chicopee,	21,692	7	4	1	1	..	..	..	1
Northampton,	20,314	4	0	1	..	..	1	..	..
Beverly,	15,807	5	..	1	..	..	..	..	..
Leominster,	15,711	3	..	2	..	2	..	..	..
Clinton,	15,694	3	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	5	2	2	..	1	..	..	1
Hyde Park,	14,500	6	0	..	..	..	..	..	..
Newburyport,	14,478	8	3	..	2	..	..	..	..
Woburn,	14,315	3	2	..	2	..	..	..	..
Melrose,	13,819	5	2	..	1	..	..	..	..
Westfield,	13,809	9	1	1	2	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	9	0	4	1	3	..	..	..
Revere,	13,609	1	..	..	..	..	..	..	..
Framingham,	12,974	3	1	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	..	1	..	..	..	..	..
Southbridge,	11,716	3	3	1	2	..	..	..	..
Watertown,	11,575	5	0	1	1	1	..	..	..
Weymouth,	11,350	2	1	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,153,940	691	180	116	133	61	10	6	12

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and sixteen deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 5; cerebro-spinal meningitis, 12; diphtheria and croup, 10; typhoid fever, 4; diarrhœal diseases, 12; erysipelas, 6; whooping-cough, 1; influenza, 2.

No deaths were reported from small-pox, puerperal fever or malarial fever.

There were 61 deaths from consumption, acute lung diseases, 133, still-births, 53.

From measles: Boston, 1; Fall River, 2. From scarlet fever: Boston, 2; Lawrence, 2; Quincy, 1. From cerebro-spinal meningitis: Boston, 3; Lowell, Lynn, Lawrence, Springfield, Somerville, Holyoke, Quincy, Chicopee and Attleborough, 1 each. From diphtheria and croup: Boston, 6; Lynn, Newton, Waltham and Northampton, 1 each. From whooping-cough: Lowell, 1. From erysipelas: Boston, 3; Cambridge, Haverhill and Taunton, 1 each. From typhoid fever: Boston, 2; Beverly and Southbridge, 1 each. From influenza: Marlborough and Gardner, 1 each.

Deaths under five years of age numbered 180, as compared with 176 for the preceding week.

Deaths from the principal infectious diseases numbered 116, as compared with 106 for the preceding week.

The death rates for the week were: Boston, 19.60; Worcester, 13.67; Fall River, 15.25; Lowell, 18.93; Cambridge, 15.44; Lynn, 16.19; Lawrence, 20.84; Springfield, 13.00; Somerville, 22.15; New Bedford, 12.83; Holyoke, 10.29; Brockton, 8.93; Newton, 10.58; Haverhill, 13.31; Malden, 13.97; Salem, 9.78; Chelsea, 14.25; Fitchburg, ——; Taunton, 33.08; Everett, 12.05; North Adams, 5.34; Quincy, 17.46; Gloucester, ——; Waltham, 20.15; Brookline, ——; Pittsfield, ——; Medford, 7.10; Chicopee, 16.78; Northampton, 10.23; Beverly, 16.45; Leominster, 9.93; Clinton, 9.95; Adams, ——; Attleborough, 17.85; Hyde Park, 23.52; Newburyport, 28.73; Woburn, 10.90; Melrose, 18.81; Westfield, 33.88; Milford, ——; Marlborough, 34.39; Revere, 3.82; Framingham, 12.02; Peabody, ——; Gardner, 16.87; Southbridge, 13.31; Watertown, 22.46; Weymouth, 9.76; Plymouth, ——.

The total death rate for the week was 16.68, as compared with 17.38 and 17.39 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 18, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	88	Typhoid fever,	9
Diphtheria and croup,	75	Measles,	111
Small-pox,	0	Cerebro-spinal meningitis,	9

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 18, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 12,	30.34	32	40	25	54	39		46	W.	W.	10	14		C.	C.			0.00
Monday, 13,	30.40	28	36	21	46	56		51	N. W.	S. E.	8	9		C.	C.			0.00
Tuesday, 14,	30.40	27	32	22	61	55		58	N.	E.	10	4		C.	C.			0.00
Wednesday, 15,	30.52	30	39	22	47	63		55	N.	S. W.	10	8		C.	C.			0.00
Thursday, 16,	30.32	35	44	26	56	52		54	W.	W.	12	8		C.	O.			0.00
Friday, 17,	30.25	34	40	28	58	54		56	N.	S. W.	6	14		C.	C.			0.00
Saturday, 18,	29.92	51	66	36	62	55		58	S. W.	S. W.	10	18		O.	O.			0.00
Week,	30.31		42	26				54										0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 25, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 12.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 25, 1905.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Boston,	617,950	209	44	36	42	27	4	1	2
Worcester,	136,925	37	15	7	7	3	..	1	3
Fall River,	119,349	34	21	10	7	3	1	..	..
Lowell,	104,402	43	17	7	8	3	..	..	4
Cambridge,	100,998	31	6	3	8	2	..	..	1
Lynn,	73,875	26	9	3	9	1	..	..	2
Lawrence,	72,348	19	3	4	1	2	..	..	2
Springfield,	72,020	..	..	..	..	..	..	..	..
Somerville,	70,413	19	4	3	3	2	..	..	..
New Bedford,	68,863	25	6	4	3	3	..	..	..
Holyoke,	50,538	25	6	5	6	3	1	1	..
Brockton,	46,601	67	2	1	1	..	..	..	1
Newton,	39,310	15	1	..	1	..	..	..	..
Haverhill,	39,061	9	..	5	1	4	..	..	1
Malden,	37,205	12	4	1	..	1	..	..	..
Salem,	37,188	12	3	1	..	..	1	..	..
Chelsea,	36,499	13	2	2	1	1	..	..	1
Fitchburg,	36,335	3	3	..	..	..	..	..	..
Taunton,	34,577	15	5	6	4	5	..	..	..
Everett,	30,209	10	1	..	..	..	..	..	..
North Adams,	29,201	10	2	2	..	1	1	..	..
Quincy,	26,798	5	2	..	4	..	..	..	..
Gloucester,	26,121	7	2	1	..	1	..	..	..
Waltham,	25,797	6	1	..	..	..	..	..	..
Brookline,	23,576	9	..	..	1	..	..	..	..
Pittsfield,	22,870	19	..	3	1	..	..	..	2
Medford,	21,956	2	..	..	1	..	..	..	..
Chicopee,	21,692	8	2	1	2	..	..	..	1
Northampton,	20,314	8	2	..	5	..	..	..	..
Beverly,	15,807	2	..	1	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	8	1	..	..	..	..	..	..
Adams,	14,745	6	1	1	..	1	..	..	..
Attleborough,	14,561	..		..	..	..	..	..	..
Hyde Park,	14,500	2	0	1	..	1	..	..	..
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,315	1	..	..	1	..	..	..	..
Melrose,	13,819	6	..	2	..	1	..	..	..
Westfield,	13,809	5	..	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	1	1	..	1	..	..	..	..
Revere,	13,609	2	1	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	1	..	1	..	..	..	..
Southbridge,	11,716	3	..	1	..	1	..	..	..
Watertown,	11,575	3	2	1	..	..	..	..	1
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infections Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,147,843	740	170	112	120	66	8	3	21

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and twelve deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 2; cerebro-spinal meningitis, 21; diphtheria and croup, 8; typhoid fever, 1; diarrhœal diseases, 7; erysipelas, 3; puerperal fever, 2.

No deaths were reported from small-pox, malarial fever, whooping-cough or influenza.

There were 66 deaths from consumption, acute lung diseases, 120, still-births, 56.

From measles: Fall River and Melrose, 1 each. From scarlet fever: Somerville and Pittsfield, 1 each. From cerebro-spinal meningitis: Boston, 2; Worcester, 3; Lowell, 4; Pittsfield, 2; Lynn, 2; Lawrence, 2; and Cambridge, Brockton, Haverhill, Chelsea, Chicopee and Watertown, 1 each. From diphtheria and croup: Boston, 4; Fall River, Holyoke, Salem and North Adams, 1 each. From erysipelas: Boston, Worcester and Holyoke, 1 each.

Deaths under five years of age numbered 170, as compared with 180 for the preceding week.

Deaths from the principal infectious diseases numbered 112, as compared with 116 for the preceding week.

The death rates for the week were: Boston, 17.59; Worcester, 14.05; Fall River, 14.81; Lowell, 21.42; Cambridge, 15.96; Lynn, 18.30; Lawrence, 13.65; Springfield, ——; Somerville, 14.03; New Bedford, 18.87; Holyoke, 25.72; Brockton, 74.77*; Newton, 19.84; Haverhill, 11.89; Malden, 16.76; Salem, 16.77; Chelsea, 18.52; Fitchburg, 4.29; Taunton, 22.56; Everett, 17.21; North Adams, 17.81; Quincy, 9.70; Gloucester, 13.93; Waltham, 12.09; Brookline, 19.84; Pittsfield, 43.20; Medford, 4.73; Chicopee, 19.17; Northampton, 20.47; Beverly, 6.58; Leominster, ——; Clinton, 26.50; Adams, 21.41; Attleborough, ——; Hyde Park, 7.17; Newburyport, ——; Woburn, 3.63; Melrose, 22.57; Westfield, 18.82; Milford, ——; Marlborough, 3.82; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, 8.87; Watertown, 13.47; Weymouth, 4.58; Plymouth, ——.

*55 deaths in Brockton by violence.

The total death rate for the week was 17.91, as compared with 16.68 and 17.38 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 25, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	110	Typhoid fever,	14
Diphtheria and croup,	106	Measles,	200
Small-pox,	0	Cerebro-spinal meningitis,	16

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 25, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 19,	29.84	48	56	39	84	84	84	S. W.	N. E.	14	10	R.	R.		0.12
Monday, 20,	30.16	34	39	29	100	80	90	N. E.	N. E.	16	8	O.	O.		0.08
Tuesday, 21,	30.12	32	35	28	76	93	86	E.	N. E.	20	18	O.	N.		0.48
Wednesday, 22,	31.73	33	38	28	100	62	81	N.	E.	15	4	O.	C.		0.07
Thursday, 23,	30.40	35	40	30	64	74	69	N. W.	S.	4	8	F.	C.		0.00
Friday, 24,	30.27	40	47	32	91	88	90	S.	S. E.	5	6	O.	O.		0.00
Saturday, 25,	29.86	49	57	41	87	88	88	S. E.	N. W.	14	15	R.	O.		0.22
Week,	30.34		45	33			84								0.97

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 1, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 13.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 1, 1905.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Boston,	617,950	246	65	41	48	17	3	1	9
Worcester,	136,925	53	11	6	5	3	..	..	2
Fall River,	119,349	49	18	11	8	7	..	..	1
Lowell,	104,402	31	14	11	3	2	1	..	4
Cambridge,	100,998	25	10	3	7	3	..	..	..
Lynn,	73,875	29	9	4	5	2	..	..	2
Lawrence,	72,348	36	10	12	5	5	..	..	5
Springfield,	72,020	27	4	5	2	3	1	..	1
Somerville,	70,413	22	3	5	3	1	..	1	3
New Bedford,	68,863	27	8	2	3	2	..	..	..
Holyoke,	50,538	12	6	2	6	2	..	..	..
Brockton,	46,601	11	3	1	..	1	..	..	..
Newton,	39,310	16	3	1	1	..	..	..	..
Haverhill,	39,061	13	3	1	2	1	..	..	..
Malden,	37,205	9	1	1	1	1	..	..	..
Salem,	37,188	16	3	2	2	2	..	..	..
Chelsea,	36,499	12	4	1	2	1	..	..	..
Fitchburg,	36,335	9	1	1	4	1	..	..	..
Taunton,	34,577	7	..	..	4	..	..	..	..
Everett,	30,209	10	4	1	..	1	..	..	..
North Adams,	29,201	3	2	1	..	..	1	..	..
Quincy,	26,798	7	3	4	1	1	1	..	2
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	9	..	..	3	..	..	..	..
Brookline,	23,576	6	2	..	2	..	..	..	..
Pittsfield,	22,870	5	1	..	..	..	..	..	..
Medford,	21,956	5	2	1	1	..	..	..	..
Chicopee,	21,692	7	3	..	1	..	..	..	..
Northampton,	20,314	..	..	..	..	..	..	..	..
Beverly,	15,807	7	1	1	2	..	1	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	0	1	..	1	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..		..	..	..	..	..	..
Hyde Park,	14,500	2	0	..	..	..	..	..	..
Newburyport,	14,478	6	2	1	1	..	..	..	..
Woburn,	14,315	..	..	..	..	..	..	..	..
Melrose,	13,819	5	0	1	2	1	..	..	..
Westfield,	13,809	5	1	..	2	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	9	1	4	..	3	..	1	..
Revere,	13,609	1	..	..	..	..	..	..	..
Framingham,	12,974	11	1	..	2	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	0	..	..	..	..	..	..	..
Southbridge,	11,716	2	2	1	1	1	..	..	..
Watertown,	11,575	5	1	..	..	..	..	..	1
Weymouth,	11,350	1	0	.	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,171,820	759	202	127	129	62	8	3	30

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and twenty-seven deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 3; cerebro-spinal meningitis, 30; diphtheria and croup, 8; typhoid fever, 3; diarrhœal diseases, 10; erysipelas, 3; whooping-cough, 2; influenza, 2; puerperal fever, 3.

No deaths were reported from small-pox or malarial fever.

There were 62 deaths from consumption, acute lung diseases, 129, still-births, 45.

From measles: Fall River, 1. From scarlet fever: Boston, 3. From cerebro-spinal meningitis: Boston, 9; Worcester, 2; Lowell, 4; Lynn, 2; Lawrence, 5; Somerville, 3; Quincy, 2; Fall River, Springfield and Watertown, 1 each. From diphtheria and croup: Boston, 3; Lowell, Springfield, North Adams, Quincy and Beverly, 1 each. From whooping-cough: Lowell, 2. From erysipelas: Boston, Somerville and Marlborough, 1 each. From influenza: Medford and Newburyport, 1 each.

Deaths under five years of age numbered 202, as compared with 170 for the preceding week.

Deaths from the principal infectious diseases numbered 127, as compared with 112 for the preceding week.

The death rates for the week were: Boston, 20.70; Worcester, 20.13; Fall River, 21.35; Lowell, 15.44; Cambridge, 12.87; Lynn, 20.41; Lawrence, 25.87; Springfield, 19.49; Somerville, 16.25; New Bedford, 20.38; Holyoke, 12.35; Brockton, 12.27; Newton, 21.16; Haverhill, 17.30; Malden, 12.57; Salem, 22.37; Chelsea, 17.00; Fitchburg, 12.88; Taunton, 10.53; Everett, 17.21; North Adams, 5.34; Quincy, 13.58; Gloucester, ——; Waltham, 18.13; Brookline, 13.23; Pittsfield, 11.37; Medford, 11.84; Chicopee, 16.78; Northampton, ——; Beverly, 23.03; Leominster, ——; Clinton, 9.94; Adams, ——; Attleborough, ——; Hyde Park, 7.17; Newburyport, 21.55; Woburn, ——; Melrose, 18.81; Westfield, 18.82; Milford, ——; Marlborough, 34.39; Revere, 3.82; Framingham, 44.08; Peabody, ——; Gardner, ——; Southbridge, 8.87; Watertown, 22.46; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 18.17, as compared with 17.91 aud 16.68 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 1, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	110	Typhoid fever,	12
Diphtheria and croup,	114	Measles,	179
Small-pox,	0	Cerebro-spinal meningitis,	49

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 1, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Mar. 26,	29.93	50	60	41	36	64	50	N. W.	S. W.	10	9	O.	C.		0.00
Monday, 27,	29.79	50	57	44	44	64	54	S. W.	W.	8	14	O.	C.		T
Tuesday, 28,	30.04	53	64	42	32	28	30	W.	N. W.	15	4	C.	O.		T
Wednesday, 29,	30.16	50	57	42	35	78	56	E.	E.	7	3	C.	C.		0.00
Thursday, 30,	30.10	54	69	40	38	82	60	E.	S. W.	3	12	C.	F.		0.06
Friday, 31,	30.13	56	66	45	32	49	40	W.	W.	10	12	C.	C.		0.00
Saturday, April 1,	30.16	42	49	36	45	38	42	N. W.	N. W.	18	14	C.	C.		0.00
Week,	30.04		60	42			47								0.06

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 8, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 14.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, [illegible]., Wareham.
JAMES W. [illegible].
CHARLES H. [illegible]cy.
JOHN W. BART[illegible], Boston.

CHARLES [illegible]INGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 8, 1905.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	232	53	53	41	28	5	3	7
Worcester,	136,925	34	13	3	4	..	..	..	1
Fall River,	119,349	44	19	7	9	4	..	..	..
Lowell,	104,402	36	13	9	6	5	..	..	4
Cambridge,	100,998	26	6	5	4	2	1	..	..
Lynn,	73,875	22	7	1	5	..	..	..	1
Lawrence,	72,348	36	10	13	4	6	..	1	4
Springfield,	72,020	21	..	2	..	1	1	..	..
Somerville,	70,413	17	3	3	4	3	..	..	..
New Bedford,	68,863	27	12	3	5	3	..	..	..
Holyoke,	50,538	19	8	3	6	2	..	1	..
Brockton,	46,601	7	1	..	..	..	..	..	..
Newton,	39,310	10	1	..	1	..	..	..	..
Haverhill,	39,061	14	4	3	3	1	..	1	1
Malden,	37,205	7	..	1	3	1	..	..	..
Salem,	37,188	16	6	..	..	..	..	..	..
Chelsea,	36,499	15	3	..	2	..	..	..	..
Fitchburg,	36,335	8	2	..	3	..	..	..	..
Taunton,	34,577	17	5	3	3	2	1	..	..
Everett,	30,209	7	1	5	..	4	1	..	..
North Adams,	29,201	6	2	..	..	..	..	..	..
Quincy,	26,798	8	2	2	3	2	..	..	..
Gloucester,	26,121	4	1	..	..	..	..	..	..
Waltham,	25,797	8	2	..	4	..	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	9	2	1	..	1	..	..	..
Chicopee,	21,692	4	1	..	1	..	..	..	..
Northampton,	20,314	5	0	..	..	..	..	..	..
Beverly,	15,807	7	1	1	2	..	1	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	7	1	..	2	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	2	0	2	..	1	..	..	1
Hyde Park,	14,500	2	0	..	..	..	..	..	..
Newburyport,	14,478	3	0	..	..	..	..	..	..
Woburn,	14,315	3	..	1	..	1	..	..	..
Melrose,	13,819	2	0	1	..	..	..	..	..
Westfield,	13,809	9	2	2	..	2	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	9	0	3	..	3	..	..	..
Revere,	13,609	3	1	..	..	..	..	..	..
Framingham,	12,974	7	1	2	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	7	2	6	..	1	2	..	3
Watertown,	11,575	2	0	..	..	..	..	..	..
Weymouth,	11,350	4	0	..	1	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infections Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Cronp.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,188,361	726	185	135	116	73	12	6	22

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and thirty-five deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 3; cerebro-spinal meningitis, 22; diphtheria and croup, 12; typhoid fever, 6; diarrhœal diseases, 11; erysipelas, 2; influenza, 2; puerperal fever, 1.

No deaths were reported from small-pox, whooping-cough or malarial fever.

There were 73 deaths from consumption, acute lung diseases, 116, still-births, 37.

From measles: Boston, Lawrence and Melrose, 1 each. From scarlet fever: Boston, 2; Cambridge, 1. From cerebro-spinal meningitis: Boston, 7; Lowell and Lawrence, 4 each; Southbridge, 3; Worcester, Lynn, Haverhill and Attleborough, 1 each. From diphtheria and croup: Boston, 5; Southbridge, 2; Cambridge, Springfield, Taunton, Everett and Beverly, 1 each. From erysipelas: Boston and Worcester, 1 each. From influenza: Framingham, 2. From typhoid fever: Boston, 3; Lawrence, Holyoke and Haverhill, 1 each.

Deaths under five years of age numbered 185, as compared with 212 for the preceding week.

Deaths from the principal infectious diseases numbered 135, as compared with 127 for the preceding week.

The death rates for the week were: Boston, 19.52; Worcester, 12.91; Fall River, 19.17; Lowell, 17.93; Cambridge, 13.38; Lynn, 15.48; Lawrence, 25.87; Springfield, 15.16; Somerville, 12.55; New Bedford, 20.38; Holyoke, 19.55; Brockton, 7.81; Newton, 13.23; Haverhill, 18.63; Malden, 9.78; Salem, 22.36; Chelsea, 21.37; Fitchburg, 11.45; Taunton, 25.57; Everett, 12.05; North Adams, 10.68; Quincy, 15.52; Gloucester, 7.96; Waltham, 16.12; Brookline, ——; Pittsfield, ——; Medford, 21.31; Chicopee, 9.59; Northampton, 12.79; Beverly, 23.03; Leominster, ——; Clinton, 23.19; Adams, ——; Attleborough, 7.14; Hyde Park, 7.17; Newburyport, 10.77; Woburn, 10.89; Melrose, 7.52; Westfield, 33.88; Milford, ——; Marlborough, 34.39; Revere, 11.46; Framingham, 28.05; Peabody, ——; Gardner, ——; Southbridge, 31.36; Watertown, 8.98; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 17.22, as compared with 18.17 and 17.91 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 8, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	92	Typhoid fever,	19
Diphtheria and croup,	92	Measles,	134
Small-pox,	0	Cerebro-spinal meningitis,	32

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 8, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 2,	30.19	36	43	30	33	40		36	N. W.	N. W.	28	14		C.	C.			0.00
Monday, 3,	30.04	44	56	31	35	26		30	N. W.	N. W.	13	9		C.	C.			0.00
Tuesday, 4,	29.98	43	47	39	56	67		62	N. E.	S. E.	4	6		R.	R.			0.00
Wednesday, 5,	29.90	41	44	38	98	96		97	N. E.	N. E.	8	9		O.	R.			0.06
Thursday, 6,	29.46	48	57	38	100	65		82	S.	W.	3	15		R.	C.			0.44
Friday, 7,	29.68	42	50	35	56	49		52	W.	W.	7	9		C.	C.			0.38
Saturday, 8,	29.77	42	48	36	51	46		48	W.	W.	11	9		O.	C.			0.00
Week,	29.86		49	35				58										0.88

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of March, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	98	158	256	Maple Syrup,	5	11	16
Butter,	17	. .	17	Canned Goods,	2	1	3
Cheese,	1	. .	1	Honey,	2	. .	2
Lard,	8	. .	8	Tea,	2	. .	2
Vinegar,	6	1	7	Coffee,	5	1	6
Spices,	66	10	76	Cocoa,	1	. .	1
Cream of Tartar,	14	2	16	Hamburg Steak,	3	2	5
Beer and Ale,	34	8	42	Sausages,	7	2	9
Maple Sugar,	1	3	4	Miscellaneous,	13	1	14
				Drugs,	121	39	160
				Totals,	406	239	645

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Forty-two complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs, as follows: —

No.	Name of Defendant.	Place.	Character of Article Sold.	Result of Trial.
1	Morris B. Silverman,	Fitchburg,	Cream of Tartar,	Conviction.
2	Peter J. Smith,	Cambridge,	Cream of Tartar,	Conviction.
3	Henry A Johnson,	Boston,	Mace,	Conviction.
4	Thomas V. L. Johnson,	Boston,	Mace,	Conviction.
5	Charles H. Porter,	Boston,	Maple Syrup,	Conviction.
6	Benj F. Chamberlain,	Walpole,	Maple Syrup,	Conviction.
7	Frank M. Kimball,	Boston,	Hamburg Steak,	Conviction.
8	Noe A. Brule,	Worcester,	Milk,	Conviction.
9	John M. Burke,	Fall River,	Distilled Water,	Conviction.
10	John M. Burke,	Fall River,	Tincture of Iodine,	Conviction.
11	Herbert W. Locke,	Lowell,	Cocoa,	Conviction.
12	Mass Breweries Company,	Boston,	Ale,	Conviction.
13	Mass. Breweries Company,	Boston,	Ale,	Conviction.
14	Chas. F. Roberts,	Gloucester,	Milk,	Conviction.
15	Hector D. MacDonald,	Gloucester,	Milk,	Conviction.
16	Geo. E Cone,	Worcester,	Milk,	Conviction.
17	Peter Trainor,	Worcester,	Milk,	Conviction.
18	Joseph W. Bushman,	Fall River,	Mace,	Conviction.
19	Charles E. Peloquin,	Fall River,	Maple Syrup,	Nol pros'd.
20	Joseph A. Adams,	Fall River,	Maple Syrup,	Conviction.
21	Ralph B. Quinlan,	Boston,	Tincture of Iodine,	Conviction.
22	Ralph B. Quinlan,	Boston,	Zinc Ointment,	Conviction.
23	Egar E. McLaughlin,	Cambridge,	Hamburg Steak,	Conviction
24	John F. McGowan,	Cambridge,	Hamburg Steak,	Conviction.
25	William A. Smith,	Cambridge,	Hamburg Steak,	Conviction.
26	Charles E. Barton,	Cambridge,	Fruit Jam,	Conviction.
27	George E. Elwell,	Malden,	Milk,	Conviction.
28	George F. Crane,	Malden,	Milk,	Conviction.
29	D. Garborino,	So. Framingham,	Maple Sugar,	Conviction.
30	John F Payne,	Newtonville,	Tincture of Iodine,	Conviction.
31	Martin McDonald,	Salem,	Hamburg Steak,	Conviction.
32	Isidore L Heureux,	Salem,	Hamburg Steak,	Conviction.
33	John Coffee,	Worcester,	Milk,	Conviction.
34	Nathan Lurier,	Worcester,	Milk,	Conviction.
35	Wm. F Gallagher,	Lowell,	Hamburg Steak,	Conviction.
36	Charles M Ouimet,	Lowell,	Hamburg Steak,	Conviction.
37	Alfred H. Barlow,	Lowell,	Hamburg Steak,	Conviction.
38	Archibald J. Keith,	Lowell,	Hamburg Steak,	Conviction.
39	George R. Myers,	Lowell,	Hamburg Steak,	Conviction.
40	Joseph O Bordeau,	Lowell,	Hamburg Steak,	Conviction.
41	Samuel P Pike,	Lowell,	Hamburg Steak,	Conviction.
42	John F. Saunders,	Lowell,	Hamburg Steak,	Conviction.

Fines imposed, $2491.00.

The samples of drugs found to be adulterated were, Aqua Destillata, Calx Chlorata, Cera Flava, Extractum Glycyrrhizæ, Extractum Zingiberis Fluidum, Oleum Limonis, Oleum Olivae, Sodii Boras, Spiritus Camphoræ, Spiritus Frumenti, Sulphur Præcipitatum, Syrupus, Tinctura Iodi, Unguentum Zinci Oxidi.

Cities and towns in which samples of food were collected were: Boston, Fitchburg, Waltham, Worcester, Cambridge, Malden, Newton, Gloucester, Springfield, Framingham, Plymouth, Somerville, Brookline, Milford, Franklin, Lawrence, Natick,

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of March, 1905.

Number of Sample.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
4306 L	Maple Syrup.	Beaver Brand. American Pickling Co., Providence, R. I.	Large admixture of refined cane sugar syrup.
4442 L	Maple Syrup.	N. Y. Sugar Co., Montpelier, Vt.	Large admixture of refined cane sugar syrup.
8777 M	Maple Syrup.	Merrimae Brand. Riverside Preserving Co., Lowell, Mass.	Large admixture of refined cane sugar syrup.
9083 M	Maple Syrup.	Pure Sap Maple Syrup. W. J. Lamb, Somerville, Mass.	Large admixture of refined cane sugar syrup.
4790 L	Maple Syrup.	Pure Green Mountain Vermont Maple Syrup, W. J. Lamb, Somerville, Mass.	Large admixture of refined cane sugar syrup.
9251 M	Maple Syrup.	Frank Whitcher, Marshfield, Vt.	Large admixture of refined cane sugar syrup.
8801 M	Maple Syrup.	Perfection Brand. J. Pillman Preserving Co., Ayer, Mass.	Large admixture of refined cane sugar syrup.
8729 M	Maple Syrup.	Gold Label Pure Maple Sap Syrup. Simpson Spring Co., South Easton, Mass.	Large admixture of refined cane sugar syrup.
8803 M	Maple Syrup.	Vermont Maple Syrup Co., Stoweton Vt.	Large admixture of refined cane sugar syrup.
9143 M	Harvard $1000 Pure Beer.	Harvard Brewing Co., Lowell, Mass.	Preserved with salicylic acid.
4854 L	Duffy's Cider.	American Fruit Product Co , Rochester, N. Y.	Preserved with benzoic acid.
8971 M	Pepper.	Royal Standard. Knickerbocker Mills, New York.	Chiefly pepper shells.
8997 M	Borax.	Eclipse Brand. Best refined powdered borax. M. J. & H. J. Meyer Co., New York.	Contains no borax; consists entirely of baking soda.
4322 L	Chlorinated Lime.	Lion Brand Chloride of Lime. James A. Blanchard, N. Y.	0.6% of required strength.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

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STATE BOARD OF HEALTH.

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Hiram F. Mills, C.E., Lawrence.
Gerard C. Tobey, Esq., Wareham.
James W. Hull, Pittsfield.
Charles H. Porter, Quincy.
John W. Bartol, M.D., Boston.

Charles Harrington, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 15, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

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CITIES AND TOWNS.	* Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	235	55	42	42	23	4	1	5
Worcester,	136,925	44	12	1	8	..	..	..	1
Fall River,	119,349	36	15	5	9	3	..	..	1
Lowell,	104,402	36	17	7	8	5	..	..	2
Cambridge,	100,998	23	4	11	3	6	..	1	4
Lynn,	73,875	20	8	6	5	4	..	..	2
Lawrence,	72,348	30	9	7	7	1	..	..	3
Springfield,	72,020	18	2	2	1	2	..	..	..
Somerville,	70,413	12	2	2	4	1	1	..	..
New Bedford,	68,863	22	8	5	..	3	..	..	..
Holyoke,	50,538	15	5	4	2	3	..	..	1
Brockton,	46,601	14	3	1	..	1	..	..	..
Newton,	39,310	4	..	1	..	..	..	..	1
Haverhill,	39,061	13	2	1	3	1	..	..	..
Malden,	37,205	3	2	..	..	..	..	..	..
Salem,	37,188	16	1	2	..	1	..	..	1
Chelsea,	36,499	10	2	1	..	..	..	..	1
Fitchburg,	36,335	9	3	1	2	..	..	1	..
Taunton,	34,577	12	3	1	2	1	..	..	..
Everett,	30,209	9	2	2	..	..	..	1	..
North Adams,	29,201	9	1	..	1	..	..	..	..
Quincy,	26,798	9	4	..	5	..	..	..	..
Gloucester,	26,121	5	2	..	..	..	..	..	..
Waltham,	25,797	5	..	1	1	1	..	..	..
Brookline,	23,576	9	1	1	..	..	..	..	1
Pittsfield,	22,870	7	..	1	1	1	..	..	..
Medford,	21,956	4	1	..	..	..	..	..	..
Chicopee,	21,692	8	4	2	1	2	..	..	..
Northampton,	20,314	7	1	1	..	1	..	..	..
Beverly,	15,807	3	1	1	..	..	1	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	0	1	..	1	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	0	..	..	..	..	..	..
Newburyport,	14,478	2	0	1	1	1	..	..	..
Woburn,	14,315	4	..	..	1	..	..	..	..
Melrose,	13,819	5	..	1	..	1	..	..	..
Westfield,	13,809	3	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	0	1	..	..	..	..	..
Revere,	13,609	3	..	1	..	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	5	2	1	..	1	..	..	..
Southbridge,	11,716	1	..	..	..	..	..	..	..
Watertown,	11,575	2	1	1	1	..	..	..	1
Weymouth,	11,350	4	1	1	1	..	..	..	1
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,219,596	687	174	117	109	65	6	4	25

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and seventeen deaths were reported from the principal infectious diseases: measles, 3; cerebro-spinal meningitis, 25; diphtheria and croup, 6; typhoid fever, 4; diarrhœal diseases, 9; erysipelas, 3; whooping-cough, 1; puerperal fever, 1.

No deaths were reported from small-pox, scarlet fever, malarial fever or influenza.

There were 65 deaths from consumption, acute lung diseases, 109, still-births, 31.

From measles: Boston, 2; Lawrence, 1. From cerebro-spinal meningitis: Boston, 5; Cambridge, 4; Lawrence, 3; Lowell, 2; Lynn, 2; and Worcester, Fall River, Holyoke, Salem, Chelsea, Newton, Brookline, Weymouth and Watertown, 1 each. From diphtheria and croup: Boston, 4; Somerville, 1; Beverly, 1. From whooping-cough: New Bedford, 1. From erysipelas: Boston, Everett and Marlborough, 1 each.

Deaths under five years of age numbered 174, as compared with 185 for the preceding week.

Deaths from the principal infectious diseases numbered 117, as compared with 135 for the preceding week.

The death rates for the week were: Boston, 19.77; Worcester, 16.71; Fall River, 15.68; Lowell, 17.93; Cambridge, 11.84; Lynn, 14.08; Lawrence, 21.56; Springfield, 13.00; Somerville, 8.86; New Bedford, 16.61; Holyoke, 15.43; Brockton, 15.62; Newton, 5.29; Haverhill, 17.30; Malden, 4.19; Salem, 22.36; Chelsea, 14.25; Fitchburg, 12.88; Taunton, 18.05; Everett, 15.49; North Adams, 16.03; Quincy, 17.46; Gloucester, 9.95; Waltham, 10.07; Brookline, 19.84; Pittsfield, 15.92; Medford, 9.47; Chicopee, 19.18; Northampton, 17.91; Beverly, 9.87; Leominster, ——; Clinton, 13.25; Adams, ——; Attleborough, ——; Hyde Park, 14.34; Newburyport, 7.18; Woburn, 14.53; Melrose, 18.81; Westfield, 11.29; Milford, ——; Marlborough, 11.46; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, 21.09; Southbridge, 4.44; Watertown, 8.98; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 16.09, as compared with 17.22 and 18.17 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 15, 1905.

(Under the Provisions of section 32 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	88	Typhoid fever,	18
Diphtheria and croup,	89	Measles,	129
Small-pox,	0	Cerebro-spinal meningitis,	40

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 15, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 9,	29.88	46	60	32	50	37		44	W.	S. W.	8	5		C.	C.			0.00
Monday, . . 10,	29.68	58	70	46	50	60		55	S. W.	W.	19	6		C.	O.			0.00
Tuesday, . . 11,	29.69	49	59	39	100	100		100	N. E.	E.	16	10		R.	R.			0.68
Wednesday, . 12,	29.78	46	52	39	92	69		80	N.	S. E.	9	6		O.	F.			0.00
Thursday, . . 13,	29.81	43	47	39	66	87		76	N. E.	N. E.	13	12		O.	O.			0.00
Friday, . . 14,	29.64	47	55	39	85	58		72	N.	S.	9	4		O.	C.			0.00
Saturday, . . 15,	29.70	45	54	36	56	33		44	N. W.	N. W.	18	10		C.	O.			0.02
Week, . . .	29.74		57	39				67										0.70

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 22, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 16.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 22, 1905.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	214	48	41	45	22	4	..	7
Worcester,	136,925	36	10	6	4	1	..	..	4
Fall River,	119,349	35	17	7	8	2	..	..	2
Lowell,	104,402	39	11	13	7	8	1	..	3
Cambridge,	100,998	28	3	8	4	4	..	1	..
Lynn,	73,875	28	5	8	2	4	1	..	2
Lawrence,	72,348	24	11	8	4	1	..	..	3
Springfield,	72,020	16	4	..	2	..	..	..	..
Somerville,	70,413	20	2	7	2	6	..	1	..
New Bedford,	68,863	17	8	6	3	5	..	..	..
Holyoke,	50,538	19	9	6	1	3	..	..	2
Brockton,	46,601	9	1	1	..	1	..	..	..
Newton,	39,310	9	..	1	..	1	..	..	..
Haverhill,	39,061	16	1	6	2	3	1	1	1
Malden,	37,205	13	4	1	1	..	1	..	..
Salem,	37,188	13	3	2	..	1	..	..	1
Chelsea,	36,499	13	0	3	2	2	..	..	1
Fitchburg,	36,335	6	..	1	..	1	..	..	..
Taunton,	34,577	6	2	2	..	2	..	..	..
Everett,	30,209	8	1	1	..	..	1	..	..
North Adams,	29,201	7	2	1	..	1	..	..	..
Quincy,	26,798	6	2	1	2	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	4	..	..	..	..	..	..	..
Brookline,	23,576	8	..	..	1	..	..	..	..
Pittsfield,	22,870	12	4	2	2	1	..	..	1
Medford,	21,956	10	4	..	2	..	..	..	..
Chicopee,	21,692	3	2	..	..	..	..	..	..
Northampton,	20,314	9	1	..	..	..	..	..	..
Beverly,	15,807	6	1	2	..	2	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	5	0	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	1	..	..	..	..	..	..
Newburyport,	14,478	4	1	1	..	..	..	1	..
Woburn,	14,315	4	..	..	1	..	..	..	..
Melrose,	13,819	2	0	..	1	..	..	..	..
Westfield,	13,809	..	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	1	..	..	..	..	..	..
Revere,	13,609	1	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	3	3	2	..	..	1	..	1
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	8	2	3	1	2	..	..	..
Watertown,	11,575	4	1	1	..	..	..	..	..
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,179,748	677	165	141	97	74	10	4	28

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and forty-one deaths were reported from the principal infectious diseases: measles, 2; cerebro-spinal meningitis, 28; diphtheria and croup, 10; typhoid fever, 4; diarrhœal diseases, 14; erysipelas, 2; whooping-cough, 2; puerperal fever, 1; scarlet fever, 3; influenza, 1.

No deaths were reported from small-pox or malarial fever.

There were 74 deaths from consumption, acute lung diseases, 97, still-births, 37.

From measles: Lowell and Lawrence, 1 each. From scarlet fever: Boston, Cambridge and Lawrence, 1 each. From cerebro-spinal meningitis: Boston, 7; Worcester, 4; Lowell, 3; Lawrence, 3; Fall River, 2; Lynn, 2; Holyoke, 2; Haverhill, Salem, Chelsea, Pittsfield and Peabody, 1 each. From diphtheria and croup: Boston, 4; Lowell, Lynn, Haverhill, Malden, Everett and Peabody, 1 each. From whooping-cough: Boston and Cambridge, 1 each. From erysipelas: Boston and New Bedford, 1 each. From influenza: Watertown, 1.

Deaths under five years of age numbered 165, as compared with 174 for the preceding week.

Deaths from the principal infectious diseases numbered 141, as compared with 117 for the preceding week.

The death rates for the week were: Boston, 18.00; Worcester, 13.67; Fall River, 15.25; Lowell, 19.42; Cambridge, 14.41; Lynn, 19.71; Lawrence, 17.25; Springfield, 11.55; Somerville, 14.77; New Bedford, 12.83; Holyoke, 19.55; Brockton, 10.04; Newton, 11.90; Haverhill, 21.29; Malden, 18.16; Salem, 18.17; Chelsea, 18.52; Fitchburg, 8.58; Taunton, 9.02; Everett, 13.77; North Adams, 12.47; Quincy, 11.64; Gloucester, ——; Waltham, 8.04; Brookline, 17.64; Pittsfield, 27.28; Medford, 23.68; Chicopee, 7.19; Northampton, 23.03; Beverly, 19.74; Leominster, ——; Clinton, 16.56; Adams, ——; Attleborough, ——; Hyde Park, 17.93; Newburyport, 14.37; Woburn, 14.53; Melrose, 7.52; Westfield, ——; Milford, ——; Marlborough, 19.10; Revere, 3.82; Framingham, ——; Peabody, 12.57; Gardner, ——; Southbridge, 35.50; Watertown, 17.97; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 16.15, as compared with 16.09 and 17.22 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 22, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	82	Typhoid fever,	24
Diphtheria and croup,	93	Measles,	75
Small-pox,	2	Cerebro-spinal meningitis,	35

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 22, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 16,	29.54	40	47	34	68	51	60	N. W.	W.	8	12	O.	C.			0.00
Monday, 17,	29.66	38	44	33	54	43	48	W.	W.	24	20	C.	C.			T
Tuesday, 18,	29.96	42	50	33	53	54	54	W.	N. W.	24	9	C.	C.			0.00
Wednesday, 19,	30.12	44	55	32	56	47	52	W.	S. W.	12	16	C.	C.			0.00
Thursday, 20,	29.94	56	70	43	67	88	78	S. W.	S. W.	12	10	C.	R.			0.01
Friday, 21,	29.72	58	72	44	85	100	92	S.	E.	10	10	O.	R.			0.51
Saturday, 22,	30.12	43	47	39	84	78	81	N.	W.	8	7	R.	C.			0.03
Week,	29.87		55	37			66									0.55

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

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MASSACHUSETTS

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MORTALITY OF MASSACHUSETTS

For the Week ending April 29, 1905.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Boston,	617,950	210	46	49	34	32	2	2	8
Worcester,	136,925	49	18	6	6	3	..	..	3
Fall River,	119,349	28	11	7	..	5	1	..	..
Lowell,	104,402	43	7	11	6	5	..	1	4
Cambridge,	100,998	25	4	4	2	4	..	..	..
Lynn,	73,875	22	6	6	4	2	1	..	3
Lawrence,	72,348	22	6	4	3	4	..	..	..
Springfield,	72,020	20	5	2	3	..	..	..	..
Somerville,	70,413	22	4	4	4	3	..	..	1
New Bedford,	68,863	19	6	4	2	2	..	..	1
Holyoke,	50,538	19	11	5	5	3	..	1	1
Brockton,	46,601	9	6	2	..	1	..	..	..
Newton,	39,310	7	1	1	..	1	..	..	..
Haverhill,	39,061	12	1	3	3	3	..	..	..
Malden,	37,205	10	..	2	..	2	..	..	..
Salem,	37,188	9	1	2	..	..	1	..	1
Chelsea,	36,499	11	1	2	1	1	..	..	1
Fitchburg,	36,335	14	7	..	3	..	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	18	6	7	..	3	2	..	..
North Adams,	29,201	7	2	1	..	1	..	..	..
Quincy,	26,798	8	3	..	2	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	7	1	..	1	..	..	..	..
Brookline,	23,576	7	1	1	..	..	1	..	..
Pittsfield,	22,870	13	2	4	2	2	..	..	1
Medford,	21,956	6	3	2	1	1	..	..	1
Chicopee,	21,692	7	2	..	3	..	..	..	..
Northampton,	20,314	6	0	..	..	..	..	..	..
Beverly,	15,807	7	..	2	..	1	..	..	1
Leominster,	15,711	3	..	..	2	..	..	..	..
Clinton,	15,694	5	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	2	..	..	..	..	..	..	..
Hyde Park,	14,500	4	1	1	..	..	..	..	1
Newburyport,	14,478	3	0	1	..	1	..	..	..
Woburn,	14,315	5	..	2	2	2	..	..	..
Melrose,	13,819	6	1	2	1	1	..	..	..
Westfield,	13,809	7	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	0	..	1	..	..	..	..
Revere,	13,609	3	1	..	..	..	..	..	..
Framingham,	12,974	6	..	1	1	1	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	5	1	..	..	..	..	..	..
Southbridge,	11,716	3	2	1	..	1	..	..	..
Watertown,	11,575	4	0	1	1	1	..	..	..
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,202,144	698	168	141	93	87	8	4	27

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and forty-one deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 4; cerehro-spinal meningitis, 27; diphtheria and croup, 8; typhoid fever, 1; diarrhœal diseases, 3; erysipelas, 4; whooping-cough, 3; puerperal fever, 1.

No deaths were reported from small-pox, malarial fever, or influenza.

There were 87 deaths from consumption, acute lung diseases, 93, still-hirths, 46.

From measles: Springfield, Everett and Melrose, 1 each. From scarlet fever: Springfield, Brockton, Everett and Pittsfield, 1 each. From cerehro-spinal meningitis: Boston, 8; Lowell, 4; Worcester, 3; Lynn, 3; New Bedford, Somerville, Holyoke, Salem, Chelsea, Pittsfield, Medford, Beverly and Hyde Park, 1 each. From diphtheria and croup: Boston, 2; Everett, 2; Fall River, Lynn, Salem and Brookline, 1 each. From whooping-cough: Boston, Fall River and New Bedford, 1 each. From erysipelas: Boston, 2; Lowell and Holyoke, 1 each. From typhoid fever: Boston, 1.

Deaths under five years of age numhered 168, as compared with 165 for the preceding week.

Deaths from the principal infectious diseases numbered 141, as compared with 141 for the preceding week.

The death rates for the week were: Boston, 17.67; Worcester, 18.61; Fall River, 12.20; Lowell, 21.42; Camhridge, 12.87; Lynn, 15.48; Lawrence, 15.81; Springfield, 14.44; Somerville, 16.25; New Bedford, 14.34; Holyoke, 19.55; Brockton, 10.04; Newton, 9.26; Haverhill, 15.97; Malden, 13.97; Salem, 12.58; Chelsea, 15.67; Fitchhurg, 20.03; Taunton, ——; Everett, 30.98; North Adams, 12.47; Quincy, 15.52; Gloucester, ——; Waltham, 14.10; Brookline, 15.43; Pittsfield, 29.56; Medford, 14.21; Chicopee, 16.78; Northampton, 15.35; Beverly, 23.03; Leominster, ——; Clinton, 16.56; Adams, ——; Attleborough, 7.14; Hyde Park, 14.34; Newhuryport, 10.77; Wohurn, 18.15; Melrose, 22.58; Westfield, 26.25; Milford, ——; Marlhorough, 11.46; Revere, 11.46; Framingham, 24.04; Peabody, ——; Gardner, 21.09; Southhridge, 13.31; Watertown, 17.96; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 16.48, as compared with 16.15 and 16.09 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 29, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	112	Typhoid fever,	21
Diphtheria and croup,	105	Measles,	190
Small-pox,	0	Cerehro-spinal meningitis,	30
Leprosy,	1		

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 29, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 23,	30.32	46	55	38	85	55	70	N. W.	N.	10	12	C.	C.		0.00
Monday, 24,	30.10	50	63	38	79	56	68	W.	S. W.	10	18	C.	C.		0.00
Tuesday, 25,	29.93	53	64	42	68	48	58	N. W.	W.	16	12	C.	C.		0.00
Wednesday, 26,	29.68	62	74	50	64	61	62	S. W.	S. W.	10	10	O.	O.		T
Thursday, 27,	29.65	52	60	44	83	82	82	N. E.	N. E.	10	9	O.	C.		0.00
Friday, 28,	29.96	44	48	40	93	92	92	N. E.	E.	7	6	O.	C.		0.00
Saturday, 29,	29.86	44	50	37	92	93	92	E.	E.	8	6	O.	O.		0.01
Week,	29.93		59	41			75								0.01

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 6, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 18.

Entered at the post-office at Boston as second-class matter.

This publication coutains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants iu each.

It also contains the reports of cases of iufectious diseases returned by the boards of health of cities and towns.

Once in each month the work doue under the Food and Drug Acts is also reported in this bulletiu.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 6, 1905.

Deaths reported to the State Board of Health in 44 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	233	50	44	39	25	3	4	4
Worcester,	136,925	37	16	2	2	..	..	..	2
Fall River,	119,349	41	22	9	14	1	1	..	..
Lowell,	104,402	47	16	8	6	3	..	..	3
Cambridge,	100,998	28	10	7	7	5	..	..	2
Lynn,	73,875	29	4	3	5	1	..	..	2
Lawrence,	72,348	25	7	5	4	3	..	..	2
Springfield,	72,020	14	1	2	1	1	1	..	..
Somerville,	70,413	22	3	4	5	3	1	..	..
New Bedford,	68,863	15	5	2	3	1	..	..	1
Holyoke,	50,538	17	5	3	5	2	..	..	..
Brockton,	46,601	6	1	2	..	1	..	1	..
Newton,	39,310	7	..	1	..	1	..	..	..
Haverhill,	39,061	11	..	5	..	5	..	..	..
Malden,	37,205	8	1	1	..	1	..	..	..
Salem,	37,188	11	3	2	..	2	..	..	..
Chelsea,	36,499	12	1	..	2	..	..	..	..
Fitchburg,	36,335	8	3	2	1	2	..	..	..
Taunton,	34,577	10	..	3	1	3	..	..	..
Everett,	30,209	6	2	1	..	1	..	..	..
North Adams,	29,201	9	1	..	1	..	..	..	..
Quincy,	26,798	8	2	4	1	3	..	1	..
Gloucester,	26,121	5	1	..	..	..	..	..	..
Waltham,	25,797	8	..	1	1	1	..	..	..
Brookline,	23,576	5	..	1	..	1	..	..	..
Pittsfield,	22,870	2	0	..	1	..	..	..	..
Medford,	21,956	6	..	..	4	..	..	..	..
Chicopee,	21,692	4	3	1	1	..	1	..	..
Northampton,	20,314	7	0	..	..	..	..	..	..
Beverly,	15,807	2	..	..	1	..	..	..	..
Leominster,	15,711	2	..	..	1	..	..	..	..
Clinton,	15,694	3	0	1	..	1	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	3	1	1	..	1	..	..	..
Hyde Park,	14,500	5	2	..	..	..	..	..	..
Newburyport,	14,478	4	0	2	..	2	..	..	..
Woburn,	14,315	5	2	1	2	1	..	..	..
Melrose,	13,819	2	0	..	..	..	..	..	..
Westfield,	13,809	3	2	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	6	1	..	1	..	..	..	..
Revere,	13,609	3	1	..	..	..	..	..	..
Framingham,	12,974	2	..	..	1	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	1	..	..	..	..	..	..	..
Watertown,	11,575	2	0	1	..	1	..	..	..
Weymouth,	11,350	3	1	1	..	..	..	..	1
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,250,518	687	167	120	110	72	7	6	17

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 44 Cities and Larger Towns of Massachusetts.

One hundred and twenty deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 17; diphtheria and croup, 7; typhoid fever, 3; diarrhœal diseases, 10; erysipelas, 1; whooping-cough, 1; puerperal fever, 2; scarlet fever, 6; small-pox, 1.

No deaths were reported from malarial fever, measles or influenza.

There were 72 deaths from consumption, acute lung diseases, 110, still-births, 52.

From scarlet fever: Boston, 4; Brockton and Quincy, 1 each. From cerebro-spinal meningitis: Boston, 4; Lowell, 3; Worcester, Cambridge, Lynn and Lawrence, 2 each; New Bedford and Weymouth, 1 each. From diphtheria and croup: Boston, 3; Fall River, Springfield, Somerville and Chicopee, 1 each. From whooping-cough: Holyoke, 1. From erysipelas: Lowell, 1. From small-pox: Boston, 1.

Deaths under five years of age numbered 167, as compared with 168 for the preceding week.

Deaths from the principal infectious diseases numbered 120, as compared with 141 for the preceding week.

The death rates for the week were: Boston, 19.60; Worcester, 14.05; Fall River, 17.86; Lowell, 23.41; Cambridge, 14.41; Lynn, 20.41; Lawrence, 17.97; Springfield, 10.11; Somerville, 16.25; New Bedford, 11.32; Holyoke, 17.49; Brockton, 6.69; Newton, 9.26; Haverhill, 14.64; Malden, 11.17; Salem, 15.38; Chelsea, 17.10; Fitchburg, 11.45; Taunton, 15.04; Everett, 10.32; North Adams, 16.02; Quincy, 15.52; Gloucester, 9.95; Waltham, 16.12; Brookline, 11.02; Pittsfield, 4.55; Medford, 14.29; Chicopee, 9.59; Northampton, 17.91; Beverly, 6.58; Leominster, 6.62; Clinton, 9.93; Adams, ——; Attleborough, 10.71; Hyde Park, 17.93; Newburyport, 14.37; Woburn, 18.16; Melrose, 7.52; Westfield, 11.29; Milford, ——; Marlborough, 22.92; Revere, 11.46; Framingham, 8.00; Peabody, ——; Gardner, ——; Southbridge, 4.44; Watertown, 8.98; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 15.87, as compared with 16.48 and 16.15 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 6, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	82	Typhoid fever,	24
Diphtheria and croup,	93	Measles,	75
Small-pox,	2	Cerebro-spinal meningitis,	35

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
April and May, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 30,	29.77	60	72	47	69	79		74	W.	N. W.	8	15		C.	F.			0.00
Monday, . . 1,	29.90	46	52	41	60	66		63	N. W.	N. W.	20	16		C.	C.			T
Tuesday, . . 2,	30.12	50	61	38	44	52		48	N. W.	W.	16	12		C.	O.			0.00
Wednesday, . 3,	29.93	62	77	48	66	82		74	W.	N.	4	10		O.	F.			0.00
Thursday, . . 4,	30.22	48	51	45	89	89		89	N. E.	E.	12	3		F.	C.			0.00
Friday, . . 5,	30.38	53	63	43	79	73		76	S. E.	S.	6	12		F.	C.			0.00
Saturday, . . 6,	30.08	64	79	49	79	78		78	S. W.	S. W.	12	13		O.	O.			T
Week, . . .	30.06		65	44				72										T

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 13, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 19.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 13, 1905.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	230	57	51	40	34	2	4	3
Worcester,	136,925	36	9	4	6	1	..	..	..
Fall River,	119,349	44	18	9	13	4	..	..	2
Lowell,	104,402	44	12	9	8	2	1	..	4
Cambridge,	100,998	37	15	9	9	1	4	..	1
Lynn,	73,875	33	5	4	5	2	..	..	2
Lawrence,	72,348	35	13	8	6	3	1	..	4
Springfield,	72,020	21	5	2	3	1	1	..	..
Somerville,	70,413	17	4	1	2	..	..	..	1
New Bedford,	68,863	15	5	5	4	4	..	..	1
Holyoke,	50,538	18	7	3	3	2	1	..	..
Brockton,	46,601	10	3	4	..	4	..	..	..
Newton,	39,310	8	1	2	..	2	..	..	..
Haverhill,	39,061	13	3	1	2	1	..	..	..
Malden,	37,205	10	2	1	1	1	..	..	..
Salem,	37,188	9	..	..	1	..	..	..	..
Chelsea,	36,499	18	1	1	1	1	..	..	..
Fitchburg,	36,335	9	3	1	2	1	..	..	..
Taunton,	34,577	15	8	2	5	..	2	..	..
Everett,	30,209	8	2	3	..	3	..	..	..
North Adams,	29,201	6	2	1	..	1	..	..	..
Quincy,	26,798	4	..	..	..	..	..	..	..
Gloucester,	26,121	4	2	1	..	..	..	1	..
Waltham,	25,797	7	2	1	2	1	..	..	..
Brookline,	23,576	7	1	..	..	..	..	..	..
Pittsfield,	22,870	5	..	1	..	1	..	..	..
Medford,	21,956	4	1	..	1	..	..	..	..
Chicopee,	21,692	8	3	1	3	..	..	..	1
Northampton,	20,314	4	1	..	..	..	..	..	..
Beverly,	15,807	2	..	..	1	..	..	..	..
Leominster,	15,711	1	..	..	1	..	..	..	..
Clinton,	15,694	1	0	..	..	..	..	..	..
Adams,	14,745	4	2	4	..	3	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	2	..	..	..	..	..	..
Newburyport,	14,478	6	1	1	2	1	..	..	..
Woburn,	14,315	4	..	2	..	1	..	..	..
Melrose,	13,819	4	0	..	1	..	..	..	..
Westfield,	13,809	5	1	2	1	1	..	..	1
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	7	1	1	..	..	..	..	1
Revere,	13,609	5	..	1	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	4	1	..	1	..	..	..	..
Watertown,	11,575	3	2	2	..	1	..	..	1
Weymouth,	11,350	4	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,237,728	733	195	138	124	77	12	5	22

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and thirty-eight deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 22; diphtheria and croup, 12; typhoid fever, 5; diarrhœal diseases, 10; erysipelas, 2; whooping-cough, 1; puerperal fever, 1; scarlet fever, 5; measles, 3.

No deaths were reported from malarial fever, small-pox or influenza.

There were 77 deaths from consumption, acute lung diseases, 124, still-births, 40.

From scarlet fever: Boston, 4; Gloucester, 1. From cerebro-spinal meningitis: Boston, 3; Lowell, 4; Lawrence, 4; Fall River, 2; Lynn, 2; Cambridge, New Bedford, Somerville, Chicopee, Marlborough, Westfield and Watertown, 1 each. From diphtheria and croup: Boston, 2; Cambridge, 4; Taunton, 2; Lowell, Lawrence, Springfield and Holyoke, 1 each. From whooping-cough: Cambridge, 1. From erysipelas: Boston, 2. From typhoid fever: Boston, Worcester, Fall River, Woburn and Revere, 1 each.

Deaths under five years of age numbered 195, as compared with 167 for the preceding week.

Deaths from the principal infectious diseases numbered 138, as compared with 120 for the preceding week.

The death rates for the week were: Boston, 19.35; Worcester, 13.67; Fall River, 19.17; Lowell, 19.72; Cambridge, 19.05; Lynn, 23.23; Lawrence, 25.15; Springfield, 15.16; Somerville, 12.55; New Bedford, 11.32; Holyoke, 18.52; Brockton, 11.16; Newton, 10.58; Haverhill, 17.30; Malden, 13.97; Salem, 12.58; Chelsea, 25.65; Fitchburg, 12.88; Taunton, 22.56; Everett, 13.77; North Adams, 10.68; Quincy, 7.76; Gloucester, 7.96; Waltham, 14.10; Brookline, 15.43; Pittsfield, 11.37; Medford, 9.47; Chicopee, 19.17; Northampton, 10.23; Beverly, 6.58; Leominster, 3.31; Clinton, 3.31; Adams, 14.27; Attleborough, ——; Hyde Park, 14.34; Newburyport, 21.55; Woburn, 14.52; Melrose, 15.05; Westfield, 18.82; Milford, ——; Marlborough, 26.74; Revere, 19.10; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 17.75; Watertown, 13.47; Weymouth, 18.32; Plymouth, ——.

The total death rate for the week was 17.03, as compared with 15.87 and 16.48 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 13, 1905.

(Under the Provisions of section 32 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	89	Typhoid fever, ...	15
Diphtheria and croup, ...	114	Measles, ...	172
Small-pox, ...	2	Cerebro-spinal meningitis, ...	36

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, May 13, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 7,	29.82	70	83	56	85	53	69	S. W.	W.	10	16	O.	C.			0.08
Monday, . . 8,	29.98	58	68	49	64	62	63	N. W.	S.	8	14	C.	C.			0.00
Tuesday, . . 9,	29.82	58	66	49	90	85	88	S. W.	W.	10	15	O.	C.			0.08
Wednesday, . 10,	30.07	58	68	47	82	48	65	N. W.	S. E.	20	6	C.	C.			0.00
Thursday, . . 11,	30.07	65	77	53	46	39	42	W.	S. W.	8	15	F.	C.			0.00
Friday, . . 12,	29.96	57	64	50	82	87	84	W.	N. E.	6	7	R.	F.			0.01
Saturday, . . 13,	30.17	52	56	47	86	73	80	E.	S. E.	12	10	O.	C.			0.00
Week, . . .	29.98		69	50			70									0.17

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of April, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal staudard.	TOTAL.	ARTICLES EXAMINED.	Number fouud to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	133	20	153	Honey,	4	. .	4
Butter,	2	. .	2	Cider,	. .	3	3
Catsup,	2	4	6	Coffee,	2	1	3
Jams and Jellies,	. .	2	2	Sausages,	3	0	3
Spices,	29	3	32	Oysters and Clams,	26	16	42
Cream of Tartar,	8	. .	8	Beer and Ale,	38	16	54
Molasses,	3	. .	3	Miscellaneous,	3	4	7
Maple Syrup,	2	7	9	Drugs,	50	14	64
Maple Sugar,	. .	8	8				
				Totals,	305	98	403

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Thirty-three convictions were secured during the month for selling adulterated foods, as follows: —

No.	Name of Defendant.	Place.	Character of Article Sold.
1	Theodore A. Small,	Worcester,	Milk.
2	Isaac Kulwinsky,	Milford,	Cream of Tartar.
3	Frank Whitcher,	Haverhill,	Maple Syrup.
4	Andrew L. Rickey,	Haverhill,	Zinc Ointment.
5	John H. Mitchell,	Haverhill,	Tincture of Iodine.
6	Leander L. Knowles,	Haverhill,	Maple Syrup.
7	Charles L. Walker,	Haverhill,	Maple Syrup.
8	Charles Carbone,	Haverhill,	Maple Sugar.
9	Dustin D. Wright,	Boston,	Oysters.
10	Dustin D. Wright,	Boston,	Clams.
11	William M. Armstrong,	Boston,	Oysters.
12	William M. Armstrong,	Boston,	Clams.
13	Charles A. Bacon,	Boston,	Oysters.
14	William C. Atwood,	Boston,	Clams.
15	William C. Atwood,	Boston,	Oysters.
16	Edric Eldridge,	Boston,	Tomato Catsup.
17	Calvin B. Smith,	Boston,	Tomato Catsup.
18	William P. Moshier,	Milford,	Cream of Tartar.
19	Asa Burnham,	So. Framingham,	Milk.
20	Asa Burnham,	So. Framingham,	Milk.
21	Andrew J. Lovell,	Boston,	Ginger.
22	Geo. W. Wheeler,	Boston,	Oysters.
23	Omer G. Thompson,	Boston,	Frankfurt Sausage.
24	James J. Loughrey,	Boston,	Tomato Catsup.
25	Alfred Authier,	Holyoke,	Milk.
26	Henry J. Zoller,	Boston,	Cider.
27	Henry J. Zoller,	Boston,	Cider.
28	Henry J. Zoller,	Boston,	Cider.
29	Arthur Tessier,	Boston,	Tincture of Iodine.
30	Arthur Tessier,	Boston,	Olive Oil.
31	George M. Long,	Boston,	Oysters.
32	David Atwood,	Boston,	Oysters.
33	Harvard Brewing Co.,	Boston,	Lager Beer.

Fines imposed, $900.00.

The samples of drugs found to be adulterated were Oleum Limonis, Sulphur Præcipitatum, Tinctura Iodi, Unguentum Zinci Oxidi.

Cities and towns in which samples of food were collected were: Boston, Worcester, Cambridge, Newton, Gloucester, Springfield, Framingham, Somerville, Brookline, Milford, Haverhill, Watertown, Lowell, Salem, Newburyport, Holyoke, Attleborough and Colrain.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of April, 1905.

Number of Sample.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
9369 M	Maple Syrup.	W. J. Lamb, Somerville, Mass.	Large admixture of refined cane sugar. Not correctly labeled.
9379 M	Maple Syrup.	E. D. Pettengill Co., Portland, Me.	Large admixture of refined cane sugar. No formula.
9367 M	Maple Syrup.	Gilt Edge Brand. J. C. Turner, Medford, Mass.	Large admixture of refined cane sugar. No formula.
9521 M	Maple Syrup.	Spindle City. Mansfield, Whitham & Co., Lowell, Mass.	Large admixture of refined cane sugar. No formula.
9517 M	Maple Syrup.	Pentucket Brand.	Large admixture of refined cane sugar. Not correctly labeled.
9519 M	Maple Syrup.	W. A. Little, Boston.	Large admixture of refined cane sugar. Not correctly labeled.
9523 M	Maple Syrup.	Victor. Simpson Spring Co., So. Easton.	Large admixture of refined cane sugar. No formula.
9787 M	Maple Syrup.	Whitcher's. Ayer Preserving Co., Ayer, Mass.	Large admixture of refined cane sugar. No formula.
5178 L	Ale.	Homestead Ale. Frank Jones Brewing Co., Portsmouth, N. H.	Preserved with salicylic acid.
5174 L	Ale.	India Pale Ale. Frank Jones Brewing Co., Portsmouth, N. H.	Preserved with salicylic acid.
9349 M	Beer.	Belladear. Glenbrook Distilling Co., Boston.	Preserved with salicylic acid.
9619 M	Beer.	(Registered.) Joseph Harper, Worcester, Mass.	Preserved with salicylic acid.
9623 M	Beer.	(Registered.) J. W. McKean & Co., Worcester, Mass.	Preserved with salicylic acid.
9675 M	Beer.	(Registered.) George Bieberbach, Worcester, Mass.	Preserved with salicylic acid.
5260 L	Beer.	(Registered.) John Keegan & Co., Worcester, Mass.	Preserved with salicylic acid.
5276 L	Porter.	(Registered.) J. W. McKean & Co., Worcester, Mass.	Preserved with salicylic acid.
5256 L	Porter.	(Registered.) M. F. O'Day, Worcester, Mass.	Preserved with salicylic acid.
5216 L	Ale.	East India Pale Ale. J. F. Betz & Son, Phila., Pa.	Preserved with salicylic acid.
4986 L	Raspberry Jam.	Geo. K. McMeechen & Son, Co., Wheeling, W. Va.	Preserved with benzoic acid.
4988 L	Strawb'ry Pr'serves.	Geo. K. McMeechen & Son, Co., Wheeling, W. Va.	Preserved with benzoic acid.
5446 L	Lemon Extract.	B. F. Miner, Montague, Mass.	2.4% lemon oil.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 20, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 20.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 20, 1905.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	198	34	35	30	22	..	1	5
Worcester,	136,925	41	11	8	4	3	..	1	1
Fall River,	119,349	33	17	6	7	1	..	..	1
Lowell,	104,402	44	12	16	5	3	..	..	10
Cambridge,	100,998	18	1	1	4	..	..	..	1
Lynn,	73,875	29	9	7	4	4	1	..	2
Lawrence,	72,348	24	7	3	7	..	..	1	..
Springfield,	72,020	14	5	1	..	1	..	..	..
Somerville,	70,413	19	4	5	3	4	..	..	..
New Bedford,	68,863	18	7	2	1	1	..	..	..
Holyoke,	50,538	19	5	1	1	1	..	..	..
Brockton,	46,601	11	2	2	..	2	..	..	..
Newton,	39,310	4	1	..	..	..	..	..	..
Haverhill,	39,061	17	4	4	1	1	..	..	2
Malden,	37,205	7	2	..	2	..	..	..	..
Salem,	37,188	19	3	3	..	3	..	..	..
Chelsea,	36,499	13	1	2	2	2	..	..	..
Fitchburg,	36,335	7	2	1	3	..	1	..	..
Taunton,	34,577	5	0	1	..	..	..	..	1
Everett,	30,209	7	2	..	..	..	..	..	..
North Adams,	29,201	4	1	..	..	..	..	..	..
Quincy,	26,798	8	2	2	1	2	..	..	..
Gloucester,	26,121	8	..	..	..	..	..	..	..
Waltham,	25,797	3	..	1	..	1	..	..	..
Brookline,	23,576	2	1	1	..	1	..	..	..
Pittsfield,	22,870	5	1	1	1	1	..	..	..
Medford,	21,956	5	..	..	2	..	..	..	..
Chicopee,	21,692	9	3	2	1	2	..	..	..
Northampton,	20,314	10	1	..	..	..	..	..	..
Beverly,	15,807	..	..	..	..	..	..	..	..
Leominster,	15,711	2	..	1	..	1	..	..	..
Clinton,	15,694	6	1	..	..	..	..	..	..
Adams,	14,745	2	2	1	..	1	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	..	1	..	1	..	..	..
Newburyport,	14,478	3	2	..	2	..	..	..	..
Woburn,	14,315	4	1	2	1	2	..	..	..
Melrose,	13,819	3	1	..	..	..	..	..	..
Westfield,	13,809	0	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	3	1	..	..	..	..	..	..
Revere,	13,609	7	1	..	1	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	2	1	..	..	1	..	..
Southbridge,	11,716	7	4	2	1	..	1	..	..
Watertown,	11,575	2	1	..	..	..	..	..	..
Weymouth,	11,350	2	1	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Scarlet Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,234,245	647	155	113	84	60	4	3	23

Note. — *The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and thirteen deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal meningitis, 23; diphtheria and croup, 4; typhoid fever, 4; diarrhœal diseases, 15; erysipelas, 1; whooping-cough, 2; scarlet fever, 3.

No deaths were reported from malarial fever, small-pox or influenza.

There were 60 deaths from consumption, acute lung diseases, 84, still-births, 44.

From scarlet fever: Boston, Worcester and Lawrence, 1 each. From cerebro-spinal meningitis: Boston, 5; Lowell, 10; Lynn, 2; Haverhill, 2; Worcester, Fall River, Cambridge and Taunton, 1 each. From diphtheria and croup: Lynn, Fitchburg, Gardner and Southbridge, 1 each. From whooping-cough: Boston, 1; Worcester, 1. From erysipelas: Haverhill, 1. From typhoid fever: Lowell, 2; Boston, 1; Lawrence, 1.

Deaths under five years of age numbered 155, as compared with 195 for the preceding week.

Deaths from the principal infectious diseases numbered 113, as compared with 138 for the preceding week.

The death rates for the week were: Boston, 16.66; Worcester, 15.57; Fall River, 14.38; Lowell, 21.91; Cambridge, 9.26; Lynn, 20.41; Lawrence, 17.25; Springfield, 10.10; Somerville, 14.03; New Bedford, 13.59; Holyoke, 19.55; Brockton, 12.27; Newton, 5.29; Haverhill, 22.62; Malden, 9.78; Salem, 26.56; Chelsea, 18.52; Fitchburg, 10.00; Taunton, 7.52; Everett, 12.05; North Adams, 7.12; Quincy, 15.52; Gloucester, 15.92; Waltham, 6.04; Brookline, 4.41; Pittsfield, 11.37; Medford, 11.84; Chicopee, 21.57; Northampton, 25.59; Beverly, ——; Leominster, 6.62; Clinton, 19.88; Adams, 7.13; Attleborough, ——; Hyde Park, 3.58; Newburyport, 10.77; Woburn, 14.52; Melrose, 11.29; Westfield, ——; Milford, ——; Marlborough, 11.46; Revere, 26.74; Framingham, ——; Peabody, ——; Gardner, 16.87; Southbridge, 31.06; Watertown, 8.98; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 15.29, as compared with 17.03 and 15.87 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 20, 1905.

(Under the Provisions of section 32 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	107	Typhoid fever,	23
Diphtheria and croup,	105	Measles,	140
Small-pox,	3	Cerebro-spinal meningitis,	25

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, May 20, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 14,	29.97	56	62	50	79	91	85	S. W.	S. W.	12	1	O.	O.		0.07
Monday, 15,	29.88	54	60	48	91	97	94	S. E.	N. E.	5	10	O.	R.		0.05
Tuesday, 16,	29.96	46	50	43	93	96	94	N.	N. E.	10	17	O.	R.		0.12
Wednesday, 17,	29.91	45	47	43	93	93	93	N.	S. W.	10	10	O.	C.		T
Thursday, 18,	29.64	50	58	43	93	94	94	N. W.	N. W.	7	12	O.	R.		0.91
Friday, 19,	29.58	60	68	53	72	52	62	W.	N. W.	17	14	C.	F.		0.00
Saturday, 20,	29.80	50	57	44	43	51	47	N. W.	N. W.	18	5	C.	C.		0.00
Week,	29.82		57	46			81								1.15

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending May 27, 1905.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Boston,	617,950	202	48	40	25	29	..	1	5
Worcester,	136,925	37	11	5	2	3	..	1	..
Fall River,	119,349	38	14	12	5	6	..	..	..
Lowell,	104,402	31	10	7	4	5	..	..	1
Cambridge,	100,998	23	5	8	2	5	..	1	2
Lynn,	73,875	24	2	6	..	2	..	..	4
Lawrence,	72,348	20	4	7	3	1	..	..	2
Springfield,	72,020	22	6	1	2	..	1	..	..
Somerville,	70,413	12	4	2	3	2	..	..	..
New Bedford,	68,863	22	6	4	..	3	..	1	..
Holyoke,	50,538	25	12	3	4	2	..	1	..
Brockton,	46,601	9	2	..	2	..	..	..	..
Newton,	39,310	10	2	..	1	..	..	..	..
Haverhill,	39,061	11	..	4	2	3	..	..	1
Malden,	37,205	9	1	3	1	3	..	..	..
Salem,	37,188	10	4	..	..	..	..	..	..
Chelsea,	36,499	13	3	2	1	..	1	1	..
Fitchburg,	36,335	4	2	..	..	..	..	..	..
Taunton,	34,577	22	4	6	2	5	..	..	1
Everett,	30,209	12	3	1	..	..	..	..	..
North Adams,	29,201	4	2	..	..	..	..	..	..
Quincy,	26,798	4	..	..	2	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	5	..	1	1	1	..	..	..
Brookline,	23,576	9	1	..	1	..	..	..	..
Pittsfield,	22,870	4	..	1	1	1	..	..	..
Medford,	21,956	6	..	1	1	..	1	..	..
Chicopee,	21,692	8	4	1	..	..	1	..	..
Northampton,	20,314	4	1	..	..	..	..	..	..
Beverly,	15,807	2	1	1	..	..	1	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	7	2	2	..	2	..	..	..
Adams,	14,745	3	3	2	..	..	1	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	1	1	..	1	..	..	..
Newburyport,	14,478	5	1	2	1	1	..	..	..
Woburn,	14,315	5	..	2	..	2	..	..	..
Melrose,	13,819	..	..	..	..	..	..	..	..
Westfield,	13,809	4	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	..	..	..	..	..	..
Revere,	13,609	1	..	1	..	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	5	4	..	1	..	..	..	..
Southbridge,	11,716	5	2	3	..	..	1	..	..
Watertown,	11,575	4	1	..	2	..	..	..	..
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Erysipelas.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,194,401	648	166	129	69	78	7	6	16

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and twenty-nine deaths were reported from the principal infectious diseases: measles, 3; cerebro-spinal-meningitis, 16; diphtheria and croup, 7; typhoid fever, 3; diarrhœal diseases, 8; erysipelas, 6; whooping-cough, 4; scarlet fever, 2; puerperal fever, 1.

No deaths were reported from malarial fever, small-pox or influenza.

There were 78 deaths from consumption, acute lung diseases, 69, still-births, 41.

From scarlet fever: Boston and Lawrence, 1 each. From cerebro-spinal meningitis: Boston, 5; Lynn, 4; Cambridge, 2; Lawrence, 2; Lowell, Haverhill and Taunton, 1 each. From diphtheria and croup: Springfield, Chelsea, Chicopee, Medford, Beverly, Adams and Southbridge, 1 each. From erysipelas: Boston, Worcester, Cambridge, New Bedford, Holyoke and Chelsea, 1 each. From typhoid fever: Boston, Everett and Newburyport, 1 each. From measles: Fall River, 2; Lawrence, 1.

Deaths under five years of age numbered 166, as compared with 155 for the preceding week.

Deaths from the principal infectious diseases numbered 129, as compared with 113 for the preceding week.

The death rates for the week were: Boston, 17.00; Worcester, 14.05; Fall River, 16.55; Lowell, 15.44; Cambridge, 11.84; Lynn, 16.89; Lawrence, 14.37; Springfield, 15.88; Somerville, 8.86; New Bedford, 16.61; Holyoke, 25.72; Brockton, 10.04; Newton, 13.23; Haverhill, 14.64; Malden, 12.57; Salem, 13.98; Chelsea, 18.52; Fitchburg, 5.72; Taunton, 33.08; Everett, 20.65; North Adams, 7.12; Quincy, 7.76; Gloucester, ——; Waltham, 10.07; Brookline, 19.84; Pittsfield, 9.09; Medford, 14.21; Chicopee, 19.17; Northampton, 10.23; Beverly, 6.58; Leominster, ——; Clinton, 23.31; Adams, 10.70; Attleborough, ——; Hyde Park, 14.34; Newburyport, 17.96; Woburn, 18.16; Melrose, ——; Westfield, 15.06; Milford, ——; Marlborough, 7.64; Revere, 3.82; Framingham, ——; Peabody, ——; Gardner, 21.09; Southbridge, 22.19; Watertown, 17.97; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 15.35, as compared with 15.29 and 17.03 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 27, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	83	Typhoid fever,	24
Diphtheria and croup,	127	Measles,	192
Small-pox,	6	Cerebro-spinal meningitis,	23

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, May 27, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 21,	30.00	54	64	43	57	44	50	W.	N. W.	10	5	C.	C.		0.00
Monday, 22,	29.96	58	71	46	55	44	50	W.	S. W.	9	10	O.	O.		T
Tuesday, 23,	29.97	54	60	47	49	62	56	N. E.	E.	18	4	C.	C.		0.00
Wednesday, 24,	30.12	56	68	43	36	54	45	N.	S. W.	6	13	C.	C.		0.00
Thursday, 25,	30.16	62	74	49	48	54	51	S. W.	S. W.	12	20	F.	C.		0.00
Friday, 26,	30.10	68	78	57	58	64	61	S. W.	S. W.	18	16	F.	O.		0.00
Saturday, 27,	30.06	69	76	62	73	79	76	S. W.	S. W.	8	8	O.	O.		0.01
Week,	30.05		70	50			60								0.01

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 3, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 22.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman*.
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary*.

MORTALITY OF MASSACHUSETTS

For the Week ending June 3, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	200	37	37	15	18	3	1	6
Worcester,	136,925	39	17	3	5	1	1	..	1
Fall River,	119,349	38	20	9	4	2	1	1	..
Lowell,	104,402	22	10	6	2	4	..	..	2
Cambridge,	100,998	20	5	1	5	..	1	..	..
Lynn,	73,875	21	3	1	2	..	..	..	1
Lawrence,	72,348	32	7	10	7	4	..	..	6
Springfield,	72,020	23	2	5	2	4	..	..	1
Somerville,	70,413	22	3	6	2	2	..	1	2
New Bedford,	68,863	21	6	4	2	3	..	..	..
Holyoke,	50,538	24	8	4	7	1	..	..	2
Brockton,	46,601	7	2	..	..	..	..	..	..
Newton,	39,310	10	1	1	3	1	..	..	..
Haverhill,	39,061	9	1	..	1	..	..	..	..
Malden,	37,205	10	4	2	1	1	..	1	..
Salem,	37,188	14	3	1	..	..	1	..	..
Chelsea,	36,499	10	1	2	..	2	..	..	..
Fitchburg,	36,335	9	2	2	..	2	..	..	..
Taunton,	34,577	12	1	1	..	1	..	..	..
Everett,	30,209	10	8	1	..	..	1	..	..
North Adams,	29,201	4	..	..	..	..	1	..	..
Quincy,	26,798	2	..	..	..	..	..	..	..
Gloucester,	26,121	11	3	1	..	1	..	..	..
Waltham,	25,797	9	1	3	1	1	..	..	2
Brookline,	23,576	6	2	..	..	..	..	..	..
Pittsfield,	22,870	10	1	1	1	..	..	..	1
Medford,	21,956	3	1	2	..	1	..	..	..
Chicopee,	21,692	6	4	..	1	..	..	..	..
Northampton,	20,314	7	1	1	..	1	..	..	..
Beverly,	15,807	6	..	..	1	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	1	1	..	1	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	1	..	1	..	..	1	..	..
Hyde Park,	14,500	5	1	2	..	..	..	..	2
Newburyport,	14,478	4	1	1	..	..	..	1	..
Woburn,	14,315	3	1	..	1	..	..	..	..
Melrose,	13,819	7	1	2	1	2	..	..	..
Westfield,	13,809	3	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	1	..	1	..	..	..
Revere,	13,609	4	1	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	5	1	3	..	..	1	..	2
Watertown,	11,575	2	1	1	..	1	..	..	..
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,221,833	657	162	116	64	55	11	5	28

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and sixteen deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal-meningitis, 28; diphtheria and croup, 9; typhoid fever, 5; diarrhœal diseases, 11; erysipelas, 3; scarlet fever, 4.

No deaths were reported from malarial fever, puerperal fever, whooping-cough, small-pox or influenza.

There were 55 deaths from consumption, acute lung diseases, 64, still-births, 38.

From measles: Fall River, 1. From cerebro-spinal meningitis: Boston and Lawrence, 6 each; Lowell, Somerville, Holyoke, Waltham, Hyde Park and Southbridge, 2 each; Worcester, Lynn, Springfield and Pittsfield, 1 each. From scarlet fever: Boston, 2; Holyoke and Medford, 1 each. From diphtheria and croup: Boston, 3; Worcester, Fall River, Cambridge, Salem, Everett and Attleborough, 1 each. From erysipelas: Boston, 3. From typhoid fever: Boston, Fall River, Somerville, Malden and Newburyport, 1 each.

Deaths under five years of age numbered 162, as compared with 166 for the preceding week.

Deaths from the principal infectious diseases numbered 116, as compared with 129 for the preceding week.

The death rates for the week were: Boston, 16.83; Worcester, 14.81; Fall River, 16.65; Lowell, 10.96; Cambridge, 10.29; Lynn, 14.78; Lawrence, 23.00; Springfield, 16.60; Somerville, 16.25; New Bedford, 15.85; Holyoke, 24.69; Brockton, 7.81; Newton, 13.23; Haverhill, 11.98; Malden, 13.97; Salem, 19.57; Chelsea, 14.25; Fitchburg, 12.88; Taunton, 18.04; Everett, 17.21; North Adams, 7.12; Quincy, 3.88; Gloucester, 21.89; Waltham, 18.13; Brookline, 13.23; Pittsfield, 22.74; Medford, 7.10; Chicopee, 14.38; Northampton, 17.91; Beverly, 19.74; Leominster, ——; Clinton, 9.94; Adams, ——; Attleborough, 3.57; Hyde Park, 17.84; Newburyport, 14.37; Woburn, 10.89; Melrose, 26.34; Westfield, 11.29; Milford, ——; Marlborough, 7.64; Revere, 15.28; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 22.19; Watertown, 8.98; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 15.37, as compared with 15.35 and 15.29 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 3, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	90	Typhoid fever,	43
Diphtheria and croup,	122	Measles,	157
Small-pox,	1	Cerebro-spinal meningitis,	20

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.				DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, June 3, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, May 28,	29.96	74	83	64	70	37		54	W.	W.	5	8		O.	C.			0.00
Monday, 29,	29.94	72	83	61	46	46		46	W.	S. W.	10	16		C.	O.			0.00
Tuesday, 30,	29.90	63	73	53	71	56		64	N. E.	N.	10	4		O.	C.			0.14
Wednesday, 31,	30.10	56	60	52	40	74		57	N. E.	E.	14	8		C.	C.			0.00
Thursday, June 1,	30.06	52	57	48	93	76		84	S. E.	E.	4	5		O.	F.			0.00
Friday, 2,	29.88	61	76	46	62	76		69	S. W.	S. W.	6	14		C.	R.			0.02
Saturday, 3,	30.01	62	68	55	57	70		64	S. W.	N. E.	24	4		O.	C.			0.00
Week,	29.98		71	54				63										0.16

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 10, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 23.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 10, 1905.

Deaths reported to the State Board of Health in 43 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	188	27	41	21	27	2	..	5
Worcester,	136,925	38	14	..	7	..	..	..	..
Fall River,	119,349	27	11	4	5	3	..	..	..
Lowell,	104,402	39	13	13	5	5	1	1	4
Cambridge,	100,998	20	7	6	2	1	4	..	..
Lynn,	73,875	22	2	4	..	3	..	..	1
Lawrence,	72,348	24	9	7	2	3	..	..	1
Springfield,	72,020	20	8	2	3	1	..	..	..
Somerville,	70,413	13	2	2	2	..	..	..	.
New Bedford,	68,863	17	6	1	3	1	..	..	..
Holyoke,	50,538	13	5	..	1	..	..	..	..
Brockton,	46,601	11	4	1	..	1	..	..	..
Newton,	39,310	8	1	..	1	..	..	..	..
Haverhill,	39,061	4	2	2	..	1	..	..	..
Malden,	37,205	10	5	3	1	1	1	1	..
Salem,	37,188	10	4	1	1	..	1	..	..
Chelsea,	36,499	7	0	1	1	1	..	..	..
Fitchburg,	36,335	11	5	1	1	1	..	..	..
Taunton,	34,577	5	0	3	..	3	..	..	..
Everett,	30,209	8	6	2	..	2	..	..	..
North Adams,	29,201	3	..	..	..	..	..	..	..
Quincy,	26,798	8	..	3	..	..	1	..	2
Gloucester,	26,121	12	3	..	..	..	..	..	..
Waltham,	25,797	10	1	1	1	..	..	..	1
Brookline,	23,576	3	..	1	..	1	..	..	..
Pittsfield,	22,870	8	..	2	3	2	..	..	..
Medford,	21,956	7	3	1	..	..	..	..	..
Chicopee,	21,692	4	2	..	2	..	..	..	..
Northampton,	20,314	4	1	..	..	..	..	..	..
Beverly,	15,807	2	..	1	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	0	..	..	..	..	..	..
Adams,	14,745	2	1	1	..	1	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	5	2	1	..	1	..	..	..
Newburyport,	14,478	6	0	1	..	1	..	..	..
Woburn,	14,315	1	..	..	1	..	..	..	..
Melrose,	13,819	3	0	..	..	..	..	..	..
Westfield,	13,809	3	..	..	1	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	2	0	1	..	1	..	..	..
Revere,	13,609	1	..	1	..	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	0	..	..	..	..	..	..	..
Southbridge,	11,716	1	..	1	..	..	1	..	..
Watertown,	11,575	3	1	..	1	..	..	..	..
Weymouth,	11,350	2	0	1	..	1	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,234,341	588	145	110	65	64	11	2	14

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

One hundred and ten deaths were reported from the principal infectious diseases: measles, 3; cerebro-spinal-meningitis, 14; diphtheria and croup, 11; typhoid fever, 2; diarrhœal diseases, 6; erysipelas, 4; whooping-cough, 3; scarlet fever, 3.

No deaths were reported from malarial fever, puerperal fever, small-pox or influenza.

There were 64 deaths from consumption, acute lung diseases, 65, still-births, 56.

From measles: Boston, 1; Lawrence, 2. From scarlet fever: Boston, Lawrence and Medford, 1 each. From cerebro-spinal meningitis: Boston, 5; Lowell, 4; Quincy, 2; Lynn, Lawrence and Waltham, 1 each. From diphtheria and croup: Cambridge, 4; Boston, 2; Lowell, Salem, Malden, Quincy and Southbridge, 1 each. From whooping-cough: Boston, Lowell and Haverhill, 1 each. From erysipelas: Boston and Somerville, 2 each. From typhoid fever: Lowell and Malden, 1 each.

Deaths under five years of age numbered 145, as compared with 162 for the preceding week.

Deaths from the principal infectious diseases numbered 110, as compared with 116 for the preceding week.

The death rates for the week were: Boston, 15.82; Worcester, 14.43; Fall River, 11.76; Lowell, 19.43; Cambridge, 10.29; Lynn, 15.48; Lawrence, 17.25; Springfield, 14.44; Somerville, 9.60; New Bedford, 12.83; Holyoke, 13.37; Brockton, 12.27; Newton, 10.58; Haverhill, 5.32; Malden, 13.97; Salem, 13.98; Chelsea, 9.97; Fitchburg, 15.74; Taunton, 7.52; Everett, 13.77; North Adams, 5.34; Quincy, 15.52; Gloucester, 23.88; Waltham, 20.15; Brookline, 6.61; Pittsfield, 18.19; Medford, 16.57; Chicopee, 9.59; Northampton, 10.23; Beverly, 6.58; Leominster, ——; Clinton, 9.94; Adams, 7.13; Attleborough, ——; Hyde Park, 17.93; Newburyport, 21.55; Woburn, 3.63; Melrose, 11.29; Westfield, 11.29; Milford, ——; Marlborough, 7.64; Revere, 3.82; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 4.44; Watertown, 13.47; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 13.68, as compared with 15.37 and 15.35 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 10, 1905.

(Under the Provisions of section 52 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	109	Typhoid fever,	25
Diphtheria and croup,	115	Measles,	188
Small-pox,	1	Cerebro-spinal meningitis,	18

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, June 10, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 4,	29.98	66	79	52	82	47	64	S. W.	S. W.	7	13	O.	O.			0.00
Monday, . . 5,	29.82	68	76	60	61	69	65	W.	S. W.	7	10	C.	O.			0.00
Tuesday, . . 6,	29.80	62	72	52	94	81	87	N.	E.	20	6	R.	O.			0.36
Wednesday, . 7,	30.03	50	53	48	90	77	84	E.	E.	12	13	O.	O.			0.37
Thursday, . . 8,	29.94	50	53	46	96	75	86	N.	N. E.	15	5	R.	C.			0.15
Friday, . . 9,	30.07	59	71	47	91	61	76	N. W.	S.	8	8	C.	C.			0.00
Saturday, . . 10,	30.02	70	84	56	54	55	49	S. W.	S. W.	6	9	C.	O.			0.00
Week, . . .	29.95		70	52			73									0.88

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of May, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	109	42	151	Lemon Extract,	2	2	4
Butter,	14	..	14	Vanilla Extract,	3	..	3
Cheese,	1	..	1	Sausage,	1	3	4
Spices,	47	2	49	Beer and Ale,	5	5	10
Cream of Tartar,	9	..	9	Temperance Drinks,	68	8	76
Maple Sugar,	1	2	3	Confectionery,	16	1	17
Maple Syrup,	2	1	3	Clams and Oysters,	16	1	17
Honey,	2	..	2	Miscellaneous,	18	4	22
Coffee,	5	..	5	Drugs,	37	21	58
Chocolate,	2	1	3				
				Totals,	358	93	451

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Twenty-one convictions were secured during the month for selling adulterated foods, as follows: —

No.	Name of Defendant.	Place.	Character of Article Sold.
1	Arthur B. Ryan,	Boston,	Cream of Tartar.
2	Henry W. Lane,	Gloucester,	Milk.
3	Walker Rintels Co.,	Boston,	Maple Sugar.
4	Manuel Vreiro,	Cambridge,	Meat.
5	New England Brewing Co.,	Boston,	Lager Beer.
6	New England Brewing Co.,	Boston,	Lager Beer.
7	Frank Jones Brewing Co.,	Portsmouth, N. H.,	Ale.
8	Frank Jones Brewing Co.,	Portsmouth, N. H.,	Ale.
9	Frank Jones Brewing Co.,	Portsmouth, N. H.,	Ale.
10	Frank Jones Brewing Co.,	Portsmouth, N. H.,	Ale.
11	Frank Jones Brewing Co.,	Portsmouth, N. H.,	Ale.
12	Frank Jones Brewing Co.,	Portsmouth, N. H.,	Ale.
13	Frank Jones Brewing Co.,	Portsmouth, N. H.,	Ale.
14	George W. Warner,*	Greenfield,	Milk.
15	George W. Warner,*	Greenfield,	Milk.
16	James A. Galvin,	Greenfield,	Milk.
17	James A. Galvin,	Greenfield,	Milk.
18	Fayette A. Amidon,	Worcester,	Hamburg Steak.
19	Cleon G. Towne,	Boston,	Tomato Catsup.
20	Alfred S. Higgins,*	Boston,	Oysters.
21	John W. Stubbs,*	Boston,	Oysters.

Fines imposed, $1176.00.

* Appealed.

The samples of drugs found to be adulterated were Capsicum, Extractum Glycyrrhizæ, Extractum Zingiberis Fluidum, Gin, Oleum Cinnamomi, Pilulæ Ferri Carbonatis, Sodii Phosphas, Spiritus Camphoræ, Spiritus Frumenti, Tinctura Iodi, Tinctura Nucis Vomicæ, Tinctura Opii, Quinine Pills, Strych. Sulphate Pills, Lithia Tablets.

Cities and towns in which samples of food were collected were: Boston, Worcester, Lowell, Salem, Waltham, Ayer, Revere, Gloucester, Cambridge, Newton, Lexington, Lincoln, Sudbury, Warren, Spencer, Fitchburg, Taunton, Brookline, Malden, Reading, Wayland, Brimfield and Lowell.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of May, 1905.

Number of Sample.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
9799 M	Ketchup.	Berkshire Tomato Catsup. Standard Packing Co., Indianapolis, Ind.	Preserved with benzoic acid.
9795 M	Ketchup.	Home-made Catsup. Downing, Taylor Co., Springfield, Mass.	Preserved with benzoic acid.
9797 M	Ketchup.	Waldorf Tomato Catsup. The Williams Bros. Co., Detroit, Mich.	Preserved with benzoic acid. Incorrect formula.
9879 M	Ketchup.	Boston Butter and Tea House, Worcester, Mass.	Preserved with benzoic acid. Incorrect formula.
193 N	Beer.	(Registered.) D. Paul & Co., Spencer, Mass.	Preserved with salicylic acid.
5642 L	Ginger Ale.	Clicquot Club Co., Millis, Mass.	Preserved with benzoic acid.
197 N	Ginger Ale.	U. S. Club. Puritan Carbonating Co., Millis, Mass.	Preserved with benzoic acid.
5618 L	Ginger Ale.	Chelmsford Spring Co., Chelmsford, Mass.	Preserved with salicylic acid.
5880 L	Imperial, "A liquid Food."	Otis S. Neale Co., Boston, Mass.	Preserved with salicylic acid.
133 N	Champagne Cider.	Pureoxia Co., Boston.	Preserved with salicylic acid.
5576 L	Lunch Cocoa.	Schener's Instantaneous. S. Schener & Co., Paterson, N. J.	Admixture of cane sugar. Not properly labelled.
5922 L	Lemon Extract.	Harris' Pure. Frank E. Harris Co., Binghampton, N. Y.	3.3% lemon oil by volume.
5920 L	Lemon Extract.	"Good Value." Binghampton, N. Y.	Contains no lemon oil.
317 N	Lemon Extract.	"King Arthur Pure." The Mills Tea & Butter Co., Hartford, Conn.	5% lemon oil. 90.9% total alcohol. About half the alcohol is methyl (wood) alcohol.
337 N	Lemon Extract.	"King Arthur Pure." The Mills Tea & Butter Co., Hartford, Conn.	5% lemon oil. 90.9% total alcohol. About half the alcohol is methyl (wood) alcohol.
341 N	Lemon Extract.	"King Arthur Pure." The Mills Tea & Butter Co., Hartford, Conn.	5% lemon oil. 90.9% total alcohol. About half the alcohal is methyl (wood) alcohol.
5942 L	Lemon Extract.	"King Arthur Pure." The Mills Tea & Butter Co, Hartford, Conn.	5% lemon oil. 90.9% total alcohol. About half the alcohol is methyl (wood) alcohol.
339 N	Orange Extract.	"King Arthur Pure." The Mills Tea & Butter Co., Hartford, Conn.	1.5% orange oil. 83.2% alcohol. Small admixture of methyl (wood) alcohol.
A 48	Strychnine Sulphate Pills Hypodermic $\frac{1}{60}$ grain.	Independent Pharmaceutical Co., Worcester.	Each pill contains $\frac{1}{40}$ grain.
A 52	Strychnine Sulphate Pills $\frac{1}{60}$ grain.	Independent Pharmaceutical Co., Worcester	Each pill contains $\frac{1}{30}$ grain.
A 49	Tincture of opium	Independent Pharmaceutical Co., Worcester.	0.68 gram morphine per 100 cc. Not U. S. P.
A 50	Tincture of Nux Vomica.	Independent Pharmaceutical Co., Worcester.	0.2 gram alkaloid per 100 cc. Not U. S. P.
A 52	Bland's Pills.	Independent Pharmaceutical Co., Worcester.	0.12 gram ferrous sulphate per pill. Not U. S. P.
A 54	Quiuine Pills, "2 grain."	Independent Pharmaceutical Co, Worcester.	1.3 grains per pill of quinine sulphate.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 17, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 24.

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This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 17, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	185	50	50	23	28	5	1	6
Worcester,	136,925	43	11	7	5	4	..	..	2
Fall River,	119,349	32	18	9	3	3	1	..	..
Lowell,	104,402	25	9	6	1	1	..	1	3
Cambridge,	100,998	17	2	6	4	4	..	.	2
Lynn,	73,875	23	5	5	..	4	..	1	
Lawrence,	72,348	20	4	5	2	2	..	..	1
Springfield,	72,020	24	5	4	3	2	1	1	..
Somerville,	70,413	16	4	3	2	2	..	..	..
New Bedford,	68,863	31	13	7	2	4	..	..	..
Holyoke,	50,538	15	5	3	4	1	1	..	1
Brockton,	46,601	7	..	1	..	1	..	..	..
Newton,	39,310	13	3	..	..	..	..	..	..
Haverhill,	39,061	12	4	..	1	..	..	..	..
Malden,	37,205	6	2	..	1	..	..	..	..
Salem,	37,188	13	4	..	1	..	..	..	..
Chelsea,	36,499	7	1	..	1	..	..	..	..
Fitchburg,	36,335	3	1	..	1	..	..	..	..
Taunton,	34,577	4	1	1	..	..	..	1	..
Everett,	30,209	10	3	1	..	..	1	..	..
North Adams,	29,201	3	1	..	..	..	..	..	..
Quincy,	26,798	4	..	1	1	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	4	1	1	..	..	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	2	..	..	1	..	..	..	..
Medford,	21,956	5	..	1	..	1	..	..	..
Chicopee,	21,692	8	3	2	2	1	..	..	..
Northampton,	20,314	5	2	..	..	..	..	..	..
Beverly,	15,807	5	..	2	..	1	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	1	0	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	2	0	..	..	..	..	..	..
Newburyport,	14,478	3	1	..	..	..	..	..	..
Woburn,	14,315	3	..	..	..	..	..	..	..
Melrose,	13,819	5	1	1	..	1	..	..	..
Westfield,	13,809	3	..	1	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	1	0	..	..	..	..	..	..
Revere,	13,609	4	..	1	..	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	2	..	1	..	1	..	..	..
Watertown,	11,575	2	1	1	..	..	..	..	..
Weymouth,	11,350	3	0	2	..	2	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,157,575	571	155	122	58	65	9	5	15

Note. — *The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and twenty-two deaths were reported from the principal infectious diseases: measles, 4; whooping-cough, 2; cerebro-spinal-meningitis, 15; diphtheria and croup, 9; typhoid fever, 5; diarrhœal diseases, 18; erysipelas, 1; scarlet fever, 2; puerperal fever, 1.

No deaths were reported from malarial fever, small-pox or influenza.

There were 65 deaths from consumption, acute lung diseases, 58, still-births, 45.

From measles: Boston, Worcester, Lawrence and Watertown, 1 each. From scarlet fever: Beverly and Westfield, 1 each. From cerebro-spinal meningitis: Boston, 6; Lowell, 3; Worcester and Cambridge, 2 each; Lawrence and Holyoke, 1 each. From diphtheria and croup: Boston, 5; Fall River, Springfield, Holyoke and Everett, 1 each. From whooping-cough: Waltham and Chicopee, 1 each. From erysipelas: Boston, 1. From typhoid fever: Boston, Lowell, Lynn, Springfield and Taunton, 1 each.

Deaths under five years of age numbered 155, as compared with 145 for the preceding week.

Deaths from the principal infectious diseases numbered 122, as compared with 110 for the preceding week.

The death rates for the week were: Boston, 15.57; Worcester, 16.33; Fall River, 13.94; Lowell, 12.45; Cambridge, 8.75; Lynn, 16.19; Lawrence, 14.37; Springfield, 17.32; Somerville, 11.81; New Bedford, 23.40; Holyoke, 15.37; Brockton, 7.81; Newton, 17.20; Haverhill, 15.97; Malden, 8.38; Salem, 18.17; Chelsea, 9.97; Fitchburg, 4.29; Taunton, 6.01; Everett, 17.21; North Adams, 5.34; Quincy, 7.76; Gloucester, ——; Waltham, 8.06; Brookline, ——; Pittsfield, 4.55; Medford, 11.84; Chicopee, 19.17; Northampton, 12.79; Beverly, 16.45; Leominster, ——; Clinton, 3.31; Adams, ——; Attleborough, ——; Hyde Park, 7.17; Newburyport, 10.77; Woburn, 10.89; Melrose, 18.81; Westfield, 11.29; Milford, ——; Marlborough, 3.82; Revere, 15.28; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 8.87; Watertown, 8.98; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 13.76, as compared with 13.68 and 15.37 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 17, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	82	Typhoid fever,	25
Diphtheria and croup,	82	Measles,	130
Small-pox,	1	Cerebro-spinal meningitis,	17

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, June 17, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 11,	29.92	69	76	62	75	82	78	S. W.	S.	9	15	O.	C.		0.04
Monday, 12,	29.80	64	66	61	80	95	88	S. W.	W.	14	8	O.	R.		0.90
Tuesday, 13,	29.82	68	80	57	93	95	94	S. W.	S. W.	7	10	O.	F.		0.03
Wednesday, 14,	30.00	74	85	63	65	62	64	W.	W.	7	7	C.	C.		0.00
Thursday, 15,	30.11	68	72	63	67	78	72	W.	E.	4	4	C.	C.		0.00
Friday, 16,	30.09	78	89	67	60	76	68	S. W.	S. W.	7	10	O.	F.		0.00
Saturday, 17,	30.03	78	87	68	71	78	74	S. W.	S. W.	10	10	O.	R.		0.04
Week,	29.97		79	63			77								1.01

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

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OF

MASSACHUSETTS

FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending June 24, 1905.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	617,950	201	49	37	20	21	2	1	5
Worcester,	136,925	33	9	5	..	2	1	..	..
Fall River,	119,349	32	15	4	4	2	..	..	..
Lowell,	104,402	31	6	7	7	7	..	..	..
Cambridge,	100,998	27	10	5	1	4	..	.	..
Lynn,	73,875	18	3	1	..	..	..	..	1
Lawrence,	72,348	23	7	5	4	2	..	..	..
Springfield,	72,020	13	2	1	..	..	1	..	..
Somerville,	70,413	10	1	3	..	1	1	..	..
New Bedford,	68,863	17	6	6	1	3	..	..	..
Holyoke,	50,538	11	6	4	..	1	1	..	..
Brockton,	46,601	11	1	2	..	1	..	..	1
Newton,	39,310	11	1	2	1	..	..	..	..
Haverhill,	39,061	9	1	..	..	..	..	..	..
Malden,	37,205	13	5	3	..	3	..	..	..
Salem,	37,188	11	2	..	..	..	..	..	..
Chelsea,	36,499	14	2	4	..	3	..	..	..
Fitchburg,	36,335	2	0	..	..	..	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	5	2	..	..	..	..	..	..
North Adams,	29,201	7	1	1	..	..	1	..	..
Quincy,	26,798	7	4	2	..	1	..	..	1
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	6	..	2	1	..	..	1	1
Brookline,	23,576	10	2	..	..	..	..	..	..
Pittsfield,	22,870	4	..	1	..	1	..	..	..
Medford,	21,956	3	1	..	1	..	..	..	..
Chicopee,	21,692	9	5	1	2	..	..	..	..
Northampton,	20,314	8	2	1	..	1	..	..	..
Beverly,	15,807	3	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	2	0	..	..	..	..	..	..
Adams,	14,745	4	2	1	..	1	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	3	1	1	..	..	1	..	..
Newburyport,	14,478	3	0	1	..	..	..	..	1
Woburn,	14,315	2	..	..	1	..	..	..	..
Melrose,	13,819	6	0	..	..	..	..	..	..
Westfield,	13,809	1	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	0	..	1	..	..	..	..
Revere,	13,609	4	1	1	..	1	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	2	1	1	..	..	..	..	..
Watertown,	11,575	2	1	1	..	..	..	..	..
Weymouth,	11,350	3	2	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,161,319	585	152	103	44	55	8	2	10

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and three deaths were reported from the principal infectious diseases: measles, 3; whooping-cough, 1; cerebro-spinal meningitis, 10; diphtheria and croup, 8; typhoid fever, 2; diarrhœal diseases, 18; erysipelas, 2; scarlet fever, 2; puerperal fever, 2.

No deaths were reported from malarial fever, small-pox or influenza.

There were 65 deaths from consumption, acute lung diseases, 58, still-births, 45.

From measles: Holyoke, Newton and Watertown, 1 each. From scarlet fever: Boston and Somerville, 1 each; From cerebro-spinal meningitis: Boston, 5; Lynn, Brockton, Quincy, Waltham and Newburyport, 1 each. From diphtheria and croup: Boston, 2; Worcester, Springfield, Somerville, Holyoke, North Adams and Hyde Park, 1 each. From whooping-cough: Newton, 1. From erysipelas: Boston and Worcester, 1 each. From typhoid fever: Boston and Waltham, 1 each.

Deaths under five years of age numbered 152, as compared with 155 for the preceding week.

Deaths from the principal infectious diseases numbered 103, as compared with 122 for the preceding week.

The death rates for the week were: Boston, 16.91: Worcester, 12.53; Fall River, 13.94; Lowell, 15.44; Cambridge, 13.90; Lynn, 12.67; Lawrence, 16.53; Springfield, 9.38; Somerville, 7.38; New Bedford, 12.83; Holyoke, 11.31; Brockton, 12.27; Newton, 14.55; Haverhill, 11.98; Malden, 18.16; Salem, 15.38; Chelsea, 19.95; Fitchburg, 2.86; Taunton, ——; Everett, 8.60; North Adams, 12.47; Quincy, 13.58; Gloucester, ——; Waltham, 12.09; Brookline, 22.05; Pittsfield, 9.09; Medford, 7.10; Chicopee, 21.57; Northampton, 20.47; Beverly, 9.87; Leominster, ——; Clinton, 6.62; Adams, 14.27; Attlehorough, ——; Hyde Park, 10.76; Newburyport, 10.77; Woburn, 7.26; Melrose, 22.58; Westfield, 3.76; Milford, ——; Marlhorough, 15.28; Revere, 15.28; Framingham, ——; Peahody, ——; Gardner, ——; Southbridge, 8.87; Watertown, 8.98; Weymouth, 13.74; Plymouth, ——.

The total death rate for the week was 14.07, as compared with 13.76 and 13.68 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 10, 1905.

(Under the Provisions of section 32 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever, ...	71	Typhoid fever, ...	16
Diphtheria and croup, ...	97	Measles, ...	398
Small-pox, ...	1	Cerebro-spinal meningitis, ...	14

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, June 24, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 18,	29.94	80	90	71	77	74	76	S. W.	S. W.	10	8	O.	O.		0.07
Monday, . . 19,	30.10	64	77	50	100	100	100	N. E.	E.	12	13	R.	R.		0.96
Tuesday, . . 20,	30.12	52	54	51	87	99	93	E.	E.	9	8	R.	R.		T.
Wednesday, . 21,	29.96	55	57	53	91	100	96	E.	E.	5	7	R.	R.		0.76
Thursday, . . 22,	29.84	63	70	56	56	98	77	W.	N.	4	7	O.	O.		0.47
Friday, . . 23,	30.01	72	78	66	67	64	66	N.	W.	7	4	F.	O.		0.02
Saturday, . . 24,	30.06	70	78	62	52	57	54	N. W.	S. W.	5	9	O.	C.		0.00
Week, . . .	30.00		72	58			80								2.28

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 1, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 26.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
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JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 1, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Whooping Cough.	Cerebro-spinal Meningitis.
Boston,	617,950	181	51	41	22	24	3	..	5
Worcester,	136,925	35	10	6	3	2	..	1	..
Fall River,	119,349	29	15	13	4	5	..	1	..
Lowell,	104,402	41	13	7	3	5	..	..	..
Cambridge,	100,998	30	4	6	3	3	..		..
Lynn,	73,875	12	1	2	..	2	..	.	..
Lawrence,	72,348	25	13	10	1	2	..	..	..
Springfield,	72,020	16	3	2	..	1	..	..	..
Somerville,	70,413	14	3	4	..	2	..	..	..
New Bedford,	68,863	19	6	2	1	1	..	..	..
Holyoke,	50,538	17	5	6	..	4	..	..	1
Brockton,	46,601	11	2	4	..	4	..	..	..
Newton,	39,310	11	1	2	..	2	..	..	..
Haverhill,	39,061	14	3	4	1	2	..	1	1
Malden,	37,205	6	2	2	1	2	..	..	..
Salem,	37,188	16	5	4	..	1	..	..	..
Chelsea,	36,499	7	..	3	..	3	..	..	..
Fitchburg,	36,335	10	4	1	1	1	..	..	..
Taunton,	34,577	..	..	..	..	..	..	..	..
Everett,	30,209	8	1	2	..	1	..	..	1
North Adams,	29,201	7	1	1	..	1	..	..	..
Quincy,	26,798	5	2	1	..	..	1	..	..
Gloucester,	26,121	7	2	..	1	..	..	..	..
Waltham,	25,797	6	..	..	..	..	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	6	..	..	1	..	..	..	..
Chicopee,	21,692	7	4	2	..	..	2	..	..
Northampton,	20,314	7	0	..	..	..	..	..	..
Beverly,	15,807	5	2	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	4	0	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	3	3	..	..	..	..	..	..
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,315	3	..	1	..	1	..	..	..
Melrose,	13,819	6	0	..	..	..	..	..	..
Westfield,	13,809	3	1	2	..	2	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	1	0	..	1	..	..	..	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	0	..	..	..	..	..	..	..
Southbridge,	11,716	3	..	1	..	..	1	..	..
Watertown,	11,575	1	0	..	..	..	..	..	..
Weymouth,	11,350	4	2	..	..	..	..	..	..
Plymouth,	11,139	2	1	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Whooping Cough.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,135,234	584	160	129	43	71	7	3	8

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and twenty-nine deaths were reported from the principal infectious diseases: measles, 3; whooping-cough, 1; cerebro-spinal meningitis, 8; diphtheria and croup, 7; typhoid fever, 1; diarrhœal diseases, 34; scarlet fever, 2.

No deaths were reported from malarial fever, puerperal fever, erysipelas, small-pox or influenza.

There were 71 deaths from consumption, acute lung diseases, 43, still-births, 52.

From measles: Boston, Fall River and Salem, 1 each. From scarlet fever: Boston and Lawrence, 1 each. From cerebro-spinal meningitis: Boston, 5; Holyoke, Haverhill and Everett, 1 each. From diphtheria: Boston, 3; Chicopee, 2; Quincy and Southbridge, 1 each. From whooping-cough: Worcester, Fall River and Haverhill, 1 each. From typhoid fever: Somerville, 1.

Deaths under five years of age numbered 160, as compared with 152 for the preceding week.

Deaths from the principal infectious diseases numbered 129, as compared with 103 for the preceding week.

The death rates for the week were: Boston, 15.23; Worcester, 13.29; Fall River, 12.63; Lowell, 20.42; Cambridge, 15.44; Lynn, 8.44; Lawrence, 17.97; Springfield, 11.55; Somerville, 10.34; New Bedford, 14.34; Holyoke, 17.49; Brockton, 12.27; Newton, 14.55; Haverhill, 18.63; Malden, 8.38; Salem, 22.36; Chelsea, 9.97; Fitchburg, 14.31; Taunton, ——; Everett, 13.77; North Adams, 12.47; Quincy, 9.70; Gloucester, 13.93; Waltham, 12.09; Brookline, ——; Pittsfield, ——; Medford, 14.20; Chicopee, 16.78; Northampton, 17.91; Beverly, 16.45; Leominster, ——; Clinton, 13.25; Adams, ——; Attleborough, ——; Hyde Park, 10.75; Newburyport, ——; Woburn, 10.89; Melrose, 22.58; Westfield, 11.29; Milford, ——; Marlborough, 3.82; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 13.31; Watertown, 4.49; Weymouth, 18.32; Plymouth, 9.33.

The total death rate for the week was 14.22, as compared with 14.07 and 13.76 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 1, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	48	Typhoid fever,	17
Diphtheria and croup,	92	Measles,	139
Small-pox,	4	Cerebro-spinal meningitis,	12

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, July 1, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 25,	29.78	72	83	61	57	56	56	W.	W.	7	10	C.	C.		0.00
Monday, 26,	29.60	70	87	54	85	88	86	N. W.	N. E.	5	16	O.	O.		0.85
Tuesday, 27,	29.82	58	63	53	69	73	71	N.	W.	9	6	O.	F.		0.19
Wednesday, 28,	29.88	64	73	54	59	58	58	N. W.	N. W.	20	6	C.	C.		T.
Thursday, 29,	29.94	71	83	59	52	46	49	N. W.	N. W.	12	5	C.	C.		0.00
Friday, 30,	30.08	67	73	61	46	61	54	E.	S.	4	9	C.	C.		0.00
Saturday, July 1,	30.11	68	72	65	81	66	74	S. W.	S. W.	8	10	F.	F.		0.00
Week,	29.89		76	58			64								1.04

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. Hazy = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 8, 1905.

An official publication of the State Board of Health of Maesachusetts, published weekly at the office of the Board, State House, Boeton, Maee.

VOL. XXIII. No. 27.

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

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STATE BOARD OF HEALTH.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 8, 1905.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis
Boston,	617,950	183	37	42	15	26	1	5	5
Worcester,	136,925	37	15	12	..	1	..	8	3
Fall River,	119,349	48	25	27	3	2	1	24	..
Lowell,	104,402	38	15	7	3	1	1	4	1
Cambridge,	100,998	14	5	5	1	2	1	2	..
Lynn,	73,875	20	6	3	..	1	..	..	1
Lawrence,	72,348	36	28	22	3	2	..	16	1
Springfield,	72,020	22	3	4	..	1	..	2	..
Somerville,	70,413	17	1	1	1	..	..	1	..
New Bedford,	68,863	20	6	2	1	2	..	..	..
Holyoke,	50,538	16	9	6	1	3	1	1	1
Brockton,	46,601	8	0	3	1	3	..	..	..
Newton,	39,310	12	3	2	..	1	1	..	..
Haverhill,	39,061	14	2	3	..	2	..	..	..
Malden,	37,205	4	1	1	..	1	..	..	..
Salem,	37,188	13	4	4	..	2	..	2	..
Chelsea,	36,499	9	3	1	1	..	..	..	1
Fitchburg,	36,335	12	1	3	2	2	..	..	..
Taunton,	34,577	13	4	2	..	..	..	2	..
Everett,	30,209	4	1	1	..	1	..	..	..
North Adams,	29,201	4	1	2	1	..	2	..	..
Quincy,	26,798	5	1	1	..	..	..	1	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	10	1	2	..	2	..	..	..
Brookline,	23,576	5	..	..	1	..	..	..	..
Pittsfield,	22,870	0	..	..	..	..	..	..	..
Medford,	21,956	1	..	..	..	..	..	..	..
Chicopee,	21,692	5	5	1	..	1	..	..	..
Northampton,	20,314	6	1	1	..	..	1	..	..
Beverly,	15,807	4	2	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	0	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	1	1	..	..	..	1	..
Newburyport,	14,478	5	1	..	2	..	..	..	..
Woburn,	14,315	..	..	..	..	..	..	..	..
Melrose,	13,819	2	0	1	..	1	..	..	..
Westfield,	13,809	5	..	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	1	1	..	1	..	..	..
Revere,	13,609	2	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	2	..	..	..	..	..	..
Southbridge,	11,716	4	3	1	1	1	..	..	..
Watertown,	11,575	0	..	..	..	..	..	..	..
Weymouth,	11,350	2	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,179,160	612	188	162	37	59	9	69	13

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and sixty-two deaths were reported from the principal infectious diseases: measles, 4; cerebro-spinal meningitis, 13; diphtheria and croup, 9; typhoid fever, 5; diarrhœal diseases, 69; scarlet fever, 1; erysipelas, 1; la grippe, 1.

No deaths were reported from malarial fever, puerperal fever or small-pox.

There were 59 deaths from consumption, acute lung diseases, 37, still-births, 53.

From measles: Boston, 1; Lawrence, 2; Fitchburg, 1. From scarlet fever: Lawrence, 1. From cerebro-spinal meningitis: Boston, 5; Worcester, 3; Lowell, Lynn, Lawrence, Holyoke and Chelsea, 1 each. From diphtheria and croup: Boston, Fall River, Lowell, Cambridge, Holyoke, Newton and Northampton, 1 each; North Adams, 2. From erysipelas; Boston, 1. From la grippe: Haverhill, 1.

Deaths under five years of age numbered 188, as compared with 160 for the preceding week.

Deaths from the principal infectious diseases numbered 162, as compared with 129 for the preceding week.

The death rates for the week were: Boston, 15.40; Worcester, 14.05; Fall River, 20.91; Lowell, 18.93; Cambridge, 7.20; Lynn, 14.08; Lawrence, 25.87; Springfield, 15.88; Somerville, 12.55; New Bedford, 15.10; Holyoke, 16.46; Brockton, 8.93; Newton, 15.87; Haverhill, 18.63; Malden, 5.59; Salem, 18.17; Chelsea, 12.82; Fitchburg, 17.17; Taunton, 19.55; Everett, 6.88; North Adams, 7.12; Quincy, 9.70; Gloucester, ——; Waltham, 20.15; Brookline, 11.02; Pittsfield, ——; Medford, 2.37; Chicopee, 11.98; Northampton, 15.35; Beverly, 13.16; Leominster, ——; Clinton, 9.95; Adams, ——; Attleborough, ——; Hyde Park, 3.58; Newburyport, 17.96; Woburn, ——; Melrose, 7.52; Westfield, 18.82; Milford, ——; Marlborough, 15.28; Revere, 7.64; Framingham, ——; Peabody, ——; Gardner, 16.87; Southbridge, 17.75; Watertown, ——; Weymouth, 9.16; Plymouth, ——.

The total death rate for the week was 14.60, as compared with 14.22 and 14.07 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 8, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	52	Typhoid fever,	27
Diphtheria and croup,	96	Measles,	128
Small-pox,	1	Cerebro-spinal meningitis,	8

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, July 8, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 2,	29.96	68	72	65	76	88	82	S.	S. W.	14	15	O.	O.			0.11
Monday, 3,	29.93	68	72	65	81	76	78	N. E.	E.	8	2	O.	C.			0.11
Tuesday, 4,	30.02	76	85	67	60	54	57	N. W.	S. W.	8	5	C.	C.			0.00
Wednesday, 5,	30.12	72	80	65	73	74	74	S. E.	S. W.	3	12	C.	O.			0.00
Thursday, 6,	30.02	71	78	64	85	74	79	S.	S.	8	7	O.	C.			0.00
Friday, 7,	30.05	73	84	62	87	82	84	W.	S. W.	11	15	O.	C.			0.00
Saturday, 8,	29.96	77	89	65	82	79	81	S. W.	S. W.	4	14	C.	O.			0.00
Week,	30.01		80	65			76									0.22

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. Hazy S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of June, 1905: —

ARTICLES EXAMINED.	Number fonnd to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good qnality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	122	21	143	Maple Syrup,	..	3	3
Butter,	1	..	1	Canned Goods,	7	..	7
Cheese,	2	..	2	Beer,	20	17	37
Cream,	4	1	5	Temperance Drinks,	14	6	20
Condensed Milk,	12	..	12	Lime Juice,	..	2	2
Clams and Oysters,	14	..	14	Cocoa and Chocolate,	3	..	3
Spices,	28	6	34	Brandy Drops,	..	1	1
Cream of Tartar,	6	..	6	Orange Extract,	1	1	2
Wine,	25	1	26	Lemon Extract,	4	8	12
Syrups,	3	..	3	Vanilla Extract,	..	1	1
Maple Sugar,	1	..	1	Drugs,	47	21	68
				Totals,	314	89	403

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Twenty-one convictions were secured during the month for selling adulterated foods, as follows: —

No.	Name of Defendant.	Place.	Character of Article Sold.
1	R. R. Higgins Co.,	Boston,	Oysters.
2	R. R. Higgins Co.,	Boston,	Clams.
3	David W. Faulkner,*	Malden,	Tincture of Iodine.
4	William P. Sheldon,*	Malden,	Tincture of Iodine.
5	William J. Bracy,	South Boston,	Extract of Lemon.
6	William J. Bracy,	South Boston,	Extract of Lemon.
7	William J. Bracy,	South Boston,	Extract of Lemon.
8	Edward S. Wright,	Fall River,	Milk.
9	Edward S. Wright,	Fall River,	Milk.
10	Henry R. Isham,	Warren,	Milk.
11	John Mulligan,*	Cambridge,	Clams.
12	Carl Klingbury,	Fitchburg,	Milk.
13	Bernard H. Badams,	Salem,	Tincture of Iodine.
14	Timothy McNamara,*	Spencer,	Beer.
15	Moses Morin,*	Spencer,	Beer.
16	F. E. Campbell,	Springfield,	Borax.
17	Manuel Furtado,	Fall River,	Milk.
18	Uldric Lasselle,	Fall River,	Milk.
19	Geo. N. Atwood,	Fall River,	Milk.
20	H. C. Hambly,	Fall River,	Milk.
21	Michael R. Barry,	Boston,	Maple Syrup.

Fines imposed, $977.00.

* Appealed.

The samples of drugs found to be adulterated were Calx Chlorata, Macis, Sodii, Boras, Sodii Phosphas, Spiritus Frumenti, Tinctura Iodi.

Cities and towns from which samples of food were collected were: Boston, Cambridge, North Adams, Springfield, Palmer, Ware, Woburn, Williamstown, Fall River, Malden, Brookfield, Fitchburg, Salem, Rockland, Worcester, Clinton, Greenfield, Lexington, Quincy, South Framingham, New Bedford, Hyde Park, Attleborough and Stoughton.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of June, 1905.

Number of Sample.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
405 N	Maple Syrup.	Lawrence Bros., Chelsea, Mass.	Cane sugar syrup. No maple syrup.
6050 L	Maple Syrup.	M. O'Keeffe, Boston.	Large admixture of cane sugar syrup. Incorrect formula.
403 N	Maple Syrup.	J. H. Folkins Co., Boston.	Large admixture of cane sugar syrup. Incorrect formula.
153 N	Port Wine.	Shortell & Timmins, Boston.	Contains commercial glucose, salicylic acid and artificial coloring matter.
413 N	Champagne Cider.	Sutton & Fleming, Fitchburg, Mass.	Preserved with salicylic acid.
541 N	Bull's Head Ale.	Souther Brewing Co., Boston.	Preserved with salicylic acid.
6730 L	Lemon Extract.	Gilt Edge Standard. Anderson & Edwards, New York.	1.5% lemon oil. No formula.
6732 L	Vanilla Extract.	Gilt Edge Standard. Anderson & Edwards, New York.	Contains conmarin.
6040 L	Mace.	Gold Medal. Importers' Branch, Limited, New York.	Large admixture of wild mace.
391 N	Pepper.	Gold Medal. Importers' Branch, Limited, New York.	Excess of pepper shells. Ash 7.22%.
6028 L	Mustard.	Gold Medal. Importers' Branch, Limited, New York.	Excess of starch containing weed seed.
5838 L	Mustard.	Bennett, Sloan & Co., New York.	Colored with turmeric.
6736 L	Mustard.	Victoria Mills. Atkinson & Jones, London.	Excess of starch containing weed seed.
6702 L	Ale.	Bowler Bros. (E. S. Pierce Co.), Worcester.	Contains salicylic acid.
6704 L	Ale.	Bowler Bros. (Geo. F. Hewitt Co.), Worcester.	Contains salicylic acid.
6706 L	Ale.	Bowler Bros. (Gustaf Johnson), Worcester.	Contains salicylic acid.
6718 L	Porter.	P. McLaughlin (Registered), Worcester.	Contains salicylic acid.
6716 L	Ale.	P. McLaughlin (Registered), Worcester.	Contains salicylic acid.
6720 L	Porter.	Donaher's "On the Square" (Registered), Worcester.	Contains salicylic acid.
6722 L	Ale.	Donaher's "On the Square" (Registered), Worcester.	Contains salicylic acid.
515 N	Ale.	M. F. O'Day (Registered), Worcester.	Contains salicylic acid.
517 N	Porter.	M. F. O'Day (Registered), Worcester.	Contains salicylic acid.
507 N	Ale.	Patrick O'Shea (Registered), Worcester.	Contains salicylic acid.
509 N	Porter.	Patrick O'Shea (Registered), Worcester.	Contains salicylic acid.
6712 L	Porter.	John A. Hartigan (Registered), Worcester.	Contains salicylic acid.
6714 L	Ale.	Robinovits & Minian (Registered), Worcester.	Contains salicylic acid.

NOTES.

Among the prosecutions will be noticed three in which the article sold was adulterated extract of lemon. The complaints in these cases were not brought under the general law, but under an act passed by the Legislature of 1905, which prohibits the sale of articles of food and drink which contain any wood alcohol, this substance being of a highly poisonous nature. In each instance, the extract sold contained more than 40 per cent. of this dangerous substance, which is used instead of grain alcohol by some unscrupulous manufacturers, because of its cheapness. In each case the vendor was fined $200. A fourth case was brought in another court, but the defendant was acquitted by reason of a technicality. All four of these samples bore the same brand and are said to have been manufactured by a prominent New York concern that claims to be one of the most earnest advocates of a national pure food law.

The prosecutions recently conducted against dealers in clams and oysters for adding borax and boric acid to their goods appear to have caused an abandonment of that practice.

During the month 283 dairies, from which the milk of 2,712 cows is sold, were inspected. In a great majority, conditions were found which are inconsistent with the production of milk of proper sanitary quality, and accordingly letters were sent to the owners calling attention to the necessity of improvement. The dairies examined during June were located chiefly in the towns of Berlin, Bolton, Framingham, Holliston, Hubbardston, Millis and Sherborn.

Correction. Weekly Bulletin No. 23 (June 10) states that the U. S. Club Ginger Ale contained benzoic aid. This was incorreet, the preservative used being salicylic acid and not benzoic acid. The error was not one of analysis, but of copying from a table of results.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 15, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 28.

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This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 15, 1905.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Boston,	617,950	201	60	42	18	19	3	14	2
Worcester,	136,925	47	16	10	1	2	..	5	2
Fall River,	119,349	40	33	19	..	2	..	17	..
Lowell,	104,402	53	39	19	3	1	..	17	..
Cambridge,	100,998	33	15	14	..	3	..	11	..
Lynn,	73,875	17	6	2	..	2	..	..	..
Lawrence,	72,348	52	40	36	1	2	..	27	1
Springfield,	72,020	31	11	7	..	..	..	4	..
Somerville,	70,413	20	5	7	1	3	..	3	..
New Bedford,	68,863	23	11	12	1	3	..	9	..
Holyoke,	50,538	17	11	8	1	..	..	7	..
Brockton,	46,601	12	2	4	..	3	..	..	..
Newton,	39,310	12	5	6	..	1	..	4	..
Haverhill,	39,061	5	2	..	..	..	..	..	..
Malden,	37,205	7	1	2	..	2	..	..	..
Salem,	37,188	19	10	11	..	3	..	5	2
Chelsea,	36,499	10	3	1	..	1	..	..	..
Fitchburg,	36,335	13	4	1	2	1	..	..	..
Taunton,	34,577	11	3	2	..	..	..	2	..
Everett,	30,209	3	..	..	..	..	..	..	..
North Adams,	29,201	7	1	..	1	..	..	..	..
Quincy,	26,798	4	2	2	..	1	..	1	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	4	2	..	..	..	..	..	..
Brookline,	23,576	..	..	..	..	..	..	..	..
Pittsfield,	22,870	5	1	..	..	..	..	..	..
Medford,	21,956	4	2	..	..	..	..	..	..
Chicopee,	21,692	17	10	8	1	1	..	5	..
Northampton,	20,314	7	2	..	..	..	..	..	..
Beverly,	15,807	6	3	2	..	1	1	..	..
Leominster,	15,711	1	..	..	..	..	..	..	..
Clinton,	15,694	1	0	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	1	1	..	..	..	..	1
Newburyport,	14,478	6	1	1	..	..	..	1	..
Woburn,	14,315	6	..	..	..	..	..	..	..
Melrose,	13,819	4	1	..	..	..	..	..	..
Westfield,	13,809	3	2	..	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	1	0	1	..	1	..	..	..
Revere,	13,609	3	1	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	2	2	..	..	..	..	..	..
Southbridge,	11,716	3	1	2	..	1	..	1	..
Watertown,	11,575	3	2	1	..	..	1	..	..
Weymouth,	11,350	1	0	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,185,610	715	311	221	30	53	5	133	8

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

Two hundred and twenty-one deaths were reported from the principal infectious diseases: measles, 12; whooping-cough, 1; cerebro-spinal meningitis, 8; diphtheria and croup, 5; typhoid fever, 5; diarrhœal diseases, 133; puerperal fever, 1; malarial fever, 1; erysipelas, 2.

No deaths were reported from small-pox or influenza.

There were 53 deaths from consumption, acute lung diseases, 30, still-births, 39.

From measles: Lawrence, 6; Boston, 2; Lowell, Springfield, Salem and Chicopee, 1 each. From cerebro-spinal meningitis: Boston, Worcester and Salem, 2 each; Lawrence and Hyde Park, 1 each. From diphtheria and croup: Boston, 3; Beverly and Watertown, 1 each. From whooping-cough: Worcester, 1. From erysipelas; Boston and Springfield, 1 each. From typhoid fever: Springfield, Somerville, Holyoke, Brockton and Newton, 1 each. From malarial fever: Chicopee, 1.

Deaths under five years of age numbered 311, as compared with 188 for the preceding week.

Deaths from the principal infectious diseases numbered 221, as compared with 166 for the preceding week.

The death rates for the week were: Boston, 16.91; Worcester, 17.85; Fall River, 17.42; Lowell, 26.39; Cambridge, 16.99; Lynn, 11.96; Lawrence, 37.37; Springfield, 22.38; Somerville, 14.77; New Bedford, 17.36; Holyoke, 17.49; Brockton, 13.39; Newton, 15.87; Haverhill, 6.65; Malden, 9.78; Salem, 16.56; Chelsea, 14.25; Fitchburg, 18.60; Taunton, 16.54; Everett, 5.16; North Adams, 12.46; Quincy, 7.76; Gloucester, ——; Waltham, 8.06; Brookline, ——; Pittsfield, 11.37; Medford, 9.47; Chicopee, 40.75; Northampton, 17.91; Beverly, 19.74; Leominster, 3.31; Clinton, 3.31; Adams, ——; Attleborough, ——; Hyde Park, 3.58; Newburyport, 21.55; Woburn, 21.79; Melrose, 15.05; Westfield, 11.29; Milford, ——; Marlborough, 3.82; Revere, 11.46; Framingham, ——; Peabody, ——; Gardner, 8.44; Southbridge, 13.31; Watertown, 13.47; Weymouth, ——; Plymouth, ——.

The total death rate for the week was 17.00, as compared with 14.60 and 14.22 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 15, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	52	Typhoid fever,	28
Diphtheria and croup,	59	Measles,	172
Small-pox,	0	Cerebro-spinal meningitis,	5

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, July 15, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 9,	29.95	82	92	72	82	74	78	S. W.	W.	6	10		F.	F.			T
Monday, . . 10,	30.02	82	93	72	77	78	78	W.	W.	4	8		C.	F.			T
Tuesday, . . 11,	30.10	70	76	64	71	95	83	E.	E.	7	6		C.	O.			T
Wednesday, . 12,	30.10	80	91	68	86	70	78	S. E.	S. W.	3	12		O.	C.			0.00
Thursday, . . 13,	30.08	82	90	74	70	61	66	S. W.	S. W.	15	15		C.	C.			T
Friday, . . 14,	30.00	80	90	70	74	76	75	W.	S. W.	12	12		C.	O.			0.55
Saturday, . . 15,	30.02	74	82	65	63	51	57	W.	N.	9	9		C.	C.			0.00
Week, . . .	30.04		88	69			74										0.55

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. Hazy S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 22, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 29.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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CHARLES HARRINGTON, M.D., *Secretary*.

MORTALITY OF MASSACHUSETTS

For the Week ending July 22, 1905.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Boston,	617,950	239	91	77	13	20	2	51	..
Worcester,	136,925	44	20	8	..	..	..	8	..
Fall River,	119,349	66	49	48	2	4	..	43	..
Lowell,	104,402	57	37	30	3	5	..	23	..
Cambridge,	100,998	28	14	10	2	1	..	9	..
Lynn,	73,875	16	5	3	1	..	..	2	1
Lawrence,	72,348	39	31	26	..	..	..	26	..
Springfield,	72,020	28	15	8	..	1	..	7	..
Somerville,	70,413	17	8	6	2	2	..	4	..
New Bedford,	68,863	44	28	23	1	2	..	21	..
Holyoke,	50,538	14	8	4	..	1	..	3	..
Brockton,	46,601	12	6	3	..	3	..	..	..
Newton,	39,310	13	4	1	1	..	..	1	..
Haverhill,	39,061	..	..	..	..	..	..	..	..
Malden,	37,205	9	4	1	1	..	..	1	..
Salem,	37,188	27	13	9	..	..	..	9	..
Chelsea,	36,499	14	3	2	..	2	..	..	..
Fitchburg,	36,335	13	5	3	..	3	..	..	..
Taunton,	34,577	20	10	8	1	4	..	4	..
Everett,	30,209	8	4	1	..	..	..	..	..
North Adams,	29,201	6	..	..	..	..	..	..	..
Quincy,	26,798	8	5	3	..	..	..	3	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	4	1	1	..	..	..	1	..
Brookline,	23,576	2	1	1	..	..	..	1	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	7	..	..	1	..	..	..	..
Chicopee,	21,692	14	11	6	..	..	..	6	..
Northampton,	20,314	6	2	..	..	..	..	..	..
Beverly,	15,807	1	1	..	..	..	..	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	6	4	2	..	..	..	2	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	1	..	..	..	..	..	..
Newburyport,	14,478	2	1	1	..	..	..	..	1
Woburn,	14,315	4	..	..	..	..	..	..	..
Melrose,	13,819	0	..	..	..	..	..	..	..
Westfield,	13,809	5	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	5	1	2	..	..	..	2	..
Revere,	13,609	5	1	1	..	..	..	..	1
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	..	..	..	..	..	..	..	..
Watertown,	11,575	5	2	..	..	..	..	..	..
Weymouth,	11,350	1	..	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,108,044	793	386	289	28	49	2	227	3

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 43 Cities and Larger Towns of Massachusetts.

Two hundred and eighty-nine deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal meningitis, 3; diphtheria and croup, 2; typhoid fever, 4; diarrhœal diseases, 227; erysipelas, 1; whooping-cough, 1; scarlet fever, 1.

No deaths were reported from malarial fever, puerperal fever, small-pox or influenza.

There were 49 deaths from consumption, acute lung diseases, 28, still-births, 40.

From measles: Boston, 1. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Newburyport, Revere and Lynn, 1 each. From diphtheria: Boston, 2. From typhoid fever: Boston, 1; Lowell, 2; Everett, 1. From erysipelas: Boston, 1. From whooping-cough: Boston, 1.

Deaths under five years of age numbered 386, as compared with 311 for the preceding week.

Deaths from the principal infectious diseases numbered 289, as compared with 221 for the preceding week.

The death rates for the week were: Boston, 20.11; Worcester, 16.71; Fall River, 28.76; Lowell, 28.39; Cambridge, 14.41; Lynn, 11.26; Lawrence, 28.03; Springfield, 20.21; Somerville, 12.55; New Bedford, 33.22; Holyoke, 14.40; Brockton, 13.39; Newton, 17.20; Haverhill, ——; Malden, 12.57; Salem, 37.75; Chelsea, 19.95; Fitchburg, 18.60; Taunton, 30.08; Everett, 13.77; North Adams, 10.69; Quincy, 15.52; Gloucester, ——; Waltham, 8.07; Brookline, 4.41; Pittsfield, ——; Medford, 16.58; Chicopee, 33.56; Northampton, 15.36; Beverly, 3.29; Leominster, ——; Clinton, 19.88; Adams, ——; Attleborough, ——; Hyde Park, 14.35; Newburyport, 7.18; Woburn, 14.52; Melrose, ——; Westfield, 18.83; Milford, ——; Marlborough, 19.10; Revere, 19.10; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, ——; Watertown, 22.46; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 19.56, as compared with 17.00 and 14.60 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 22, 1905.

(Under the Provisions of section 52 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	25	Typhoid fever,	32
Diphtheria and croup,	55	Measles,	97
Small-pox,	0	Cerebro-spinal meningitis,	2

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, July 22, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 16,	30.08	72	82	62	53	67		60	N. W.	S. W.	5	10		C.	O.			0.00
Monday, 17,	29.86	80	90	69	88	67		78	S. W.	N. E.	12	3		R.	O.			T
Tuesday, 18,	29.86	83	94	72	61	57		59	N. W.	W.	8	6		C.	F.			0.00
Wednesday, 19,	29.77	84	94	73	61	63		62	W.	W.	6	10		O.	F.			0.02
Thursday, 20,	29.76	78	86	70	49	64		56	W.	W.	10	4		C.	O.			0.00
Friday, 21,	29.91	69	75	63	53	80		66	N. W.	E.	8	2		C.	O.			0.00
Saturday, 22,	30.02	68	76	59	44	67		56	N.	S. E.	6	10		C.	F.			0.00
Week,	29.89		85	58				62										0.02

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. Hazy S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 29, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 30.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 29, 1905.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Boston,	617,950	248	96	85	11	24	..	55	1
Worcester,	136,925	49	23	16	3	4	..	12	..
Fall River,	119,349	58	36	42	3	4	..	36	..
Lowell,	104,402	49	29	21	1	5	..	16	..
Cambridge,	100,998	25	16	8	1	..	..	6	1
Lynn,	73,875	25	9	5	..	2	..	2	1
Lawrence,	72,348	25	14	13	..	2	..	10	..
Springfield,	72,020	18	9	6	..	..	..	6	..
Somerville,	70,413	20	9	10	2	2	..	8	..
New Bedford,	68,863	34	22	15	..	2	1	12	..
Holyoke,	50,538	17	7	8	..	3	..	4	1
Brockton,	46,601	6	3	2	..	..	..	2	..
Newton,	39,310	11	3	4	..	2	..	2	..
Haverhill,	39,061	11	5	4	1	..	..	3	..
Malden,	37,205	13	5	3	1	..	..	3	..
Salem,	37,188	15	6	5	1	..	..	5	..
Chelsea,	36,499	13	6	3	1	2	..	..	1
Fitchburg,	36,335	9	7	2	..	2	..	..	..
Taunton,	34,577	9	6	6	1	..	..	6	..
Everett,	30,209	5	2	1	..	..	..	1	..
North Adams,	29,201	9	4	1	..	1	..	..	..
Quincy,	26,798	7	4	1	1	..	..	1	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	2	1	..	..	..	..	..	..
Brookline,	23,576	5	1	..	2	..	..	..	..
Pittsfield,	22,870	..	..	..	..	..	..	..	..
Medford,	21,956	5	2	1	..	..	..	..	..
Chicopee,	21,692	8	6	3	1	..	..	3	..
Northampton,	20,314	3	2	..	..	..	..	..	..
Beverly,	15,807	2	..	1	1	1	..	..	..
Leominster,	15,711	2	..	..	..	..	..	..	..
Clinton,	15,694	2	1	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	1	1	1	..	1	..	..	..
Newburyport,	14,478	11	5	3	1	1	..	2	..
Woburn,	14,315	..	..	..	..	..	..	..	..
Melrose,	13,819	6	1	..	..	..	..	..	..
Westfield,	13,809	2	1	1	..	..	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	4	..	..	..	..	..	..	..
Revere,	13,609	0	..	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	4	..	..	..	..	..	..	..
Southbridge,	11,716	4	3	2	2	1	..	..	1
Watertown,	11,575	1	1	..	..	..	..	..	..
Weymouth,	11,350	1	..	..	..	..	..	..	..
Plymouth,	11,139	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,172,001	739	346	273	34	59	1	195	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

Two hundred and seventy-three deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal meningitis, 6; diphtheria and croup, 1; typhoid fever, 7; diarrhœal diseases, 195; erysipelas, 1; whooping-cough, 3.

No deaths were reported from malarial fever, puerperal fever, scarlet fever, influenza or small-pox.

There were 59 deaths from consumption, acute lung diseases, 34, still-births, 37.

From measles: Lawrence, 1. From cerebro-spinal meningitis: Boston, Cambridge, Lynn, Holyoke, Chelsea and Southbridge, 1 each. From diphtheria and croup: New Bedford, 1. From erysipelas: Boston, 1. From typhoid fever: Boston, 3; Fall River, Haverhill, Medford and Westfield, 1 each.

Deaths under five years of age numbered 346, as compared with 386 for the preceding week.

Deaths from the principal infectious diseases numbered 273, as compared with 289 for the preceding week.

The death rates for the week were: Boston, 20.87; Worcester, 18.61; Fall River, 25.27; Lowell, 24.40; Cambridge, 12.87; Lynn, 17.60; Lawrence, 17.97; Springfield, 12.99; Somerville, 14.77; New Bedford, 25.67; Holyoke, 17.49; Brockton, 6.70; Newton, 14.55; Haverhill, 14.64; Malden, 18.17; Salem, 20.98; Chelsea, 18.52; Fitchburg, 12.88; Taunton, 13.54; Everett, 8.61; North Adams, 16.03; Quincy, 13.58; Gloucester, ——; Waltham, 4.03; Brookline, 11.03; Pittsfield, ——; Medford, 11.84; Chicopee, 19.18; Northampton, 7.68; Beverly, 6.58; Leominster, 6.62; Clinton, 6.63; Adams, ——; Attleborough, ——; Hyde Park, 3.59; Newburyport, 39.51; Woburn, ——; Melrose, 22.58; Westfield, 7.53; Milford, ——; Marlborough, 15.28; Revere, ——; Framingham, ——; Peabody, ——; Gardner, 16.88; Southbridge, 17.75; Watertown, 4.49; Weymouth, 4.58; Plymouth, ——.

The total death rate for the week was 17.69, as compared with 19.56 and 17.01 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 29, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	33	Typhoid fever,	46
Diphtheria and croup,	49	Measles,	83
Small-pox,	0	Cerebro-spinal meningitis,	2

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, July 29, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 23,	30.02	64	67	61	82	71	76	E.	N. E.	9	7	O.	O.		T
Monday, 24,	29.99	66	70	61	82	83	82	E.	S.	5	8	O.	O.		T
Tuesday, 25,	29.90	72	80	64	90	56	73	W.	W.	6	8	O.	C.		0.00
Wednesday, 26,	30.00	70	78	61	58	56	57	W.	W.	9	9	C.	C.		T
Thursday, 27,	30.04	71	82	60	49	45	47	W.	W.	14	8	C.	C.		0.00
Friday, 28,	30.08	73	81	65	53	63	58	N.	S.	6	8	C.	F.		0.00
Saturday, 29,	29.99	68	72	64	95	95	95	E.	E.	5	8	O.	O.		T
Week,	30.00		76	62			70								0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. Hazy S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 5, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 31.

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This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

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STATE BOARD OF HEALTH.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 5, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population. Estimated for 1904.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis
Boston,	617,950	234	107	47	15	8	..	30	..
Worcester,	136,925	50	22	14	2	3	..	9	2
Fall River,	119,349	59	45	32	5	..	..	32	..
Lowell,	104,402	39	18	14	..	5	..	8	1
Cambridge,	100,998	29	11	15	1	3	..	9	1
Lynn,	73,875	22	5	1	1	..	..	1	..
Lawrence,	72,348	26	14	18	..	5	..	10	..
Springfield,	72,020	16	4	2	..	..	1	1	..
Somerville,	70,413	23	10	7	2	1	..	6	..
New Bedford,	68,863	33	17	17	1	1	..	15	..
Holyoke,	50,538	..	..	..	..	..	..	..	..
Brockton,	46,601	7	1	1	..	..	..	..	..
Newton,	39,310	18	5	8	..	2	1	5	..
Haverhill,	39,061	8	3	5	..	2	..	3	..
Malden,	37,205	10	5	4	1	2	..	2	..
Salem,	37,188	12	7	5	..	..	..	5	..
Chelsea,	36,499	11	..	2	..	2	..	..	..
Fitchburg,	36,335	8	4	..	..	..	..	..	..
Taunton,	34,577	16	9	8	..	..	..	8	..
Everett,	30,209	5	1	3	..	2	..	1	..
North Adams,	29,201	3	2	2	..	..	..	1	1
Quincy,	26,798	7	2	2	1	1	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..	..
Waltham,	25,797	14	2	..	4	..	..	..	..
Brookline,	23,576	6	2	..	..	..	..	..	..
Pittsfield,	22,870	17	7	2	1	..	..	..	1
Medford,	21,956	8	3	..	1	..	..	..	..
Chicopee,	21,692	7	3	2	1	..	..	2	..
Northampton,	20,314	10	1	3	..	3	..	..	..
Beverly,	15,807	3	..	1	..	..	1	..	..
Leominster,	15,711	..	..	..	..	..	..	..	..
Clinton,	15,694	3	2	..	..	..	..	..	..
Adams,	14,745	..	..	..	..	..	..	..	..
Attleborough,	14,561	..	..	..	..	..	..	..	..
Hyde Park,	14,500	4	4	..	..	..	..	..	..
Newburyport,	14,478	..	..	..	..	..	..	..	..
Woburn,	14,315	6	1	..	..	..	..	..	..
Melrose,	13,819	2	1	..	..	..	..	..	..
Westfield,	13,809	4	..	1	..	1	..	..	..
Milford,	13,771	..	..	..	..	..	..	..	..
Marlborough,	13,609	1	1	1	..	..	..	1	..
Revere,	13,609	5	2	..	..	..	..	..	..
Framingham,	12,974	..	..	..	..	..	..	..	..
Peabody,	12,406	..	..	..	..	..	..	..	..
Gardner,	12,324	..	..	..	..	..	..	..	..
Southbridge,	11,716	6	4	3	..	..	2	1	..
Watertown,	11,575	0	..	..	..	..	..	..	..
Weymouth,	11,350	5	1	1	1	1	..	..	..
Plymouth,	11,139	2	1	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,127,274	739	327	221	37	42	5	150	6

Note.—*The populations of the Massachusetts cities were estimated upon the rate of growth from 1895 to 1900, since the State had an intermediate census in 1895. The populations of Gloucester, Marlborough and Newburyport were allowed to stand as in 1900, they having suffered a slight decrease during the five-year period. The estimated population of the State for 1904 is 3,076,083.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Two hundred and twenty-one deaths were reported from the principal infectious diseases: measles, 2; cerebro-spinal meningitis, 6; diphtheria and croup, 5; typhoid fever, 8; diarrhœal diseases, 150; whooping-cough, 6; scarlet fever, 1; puerperal fever, 1.

No deaths were reported from malarial fever, erysipelas, small-pox or influenza.

There were 42 deaths from consumption, acute lung diseases, 37, still-births, 45.

From measles: Lawrence, 2. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Worcester, 2; Lowell, Cambridge, North Adams and Pittsfield, 1 each. From diphtheria: Springfield, Newton, Beverly, 1 each; Southbridge, 2. From typhoid fever: Boston, 3; Cambridge, Lawrence, Brockton, Quincy and Pittsfield, 1 each. From puerperal fever: Boston, 1. From whooping-cough: Boston, 4; Cambridge and New Bedford, 1 each.

Deaths under five years of age numbered 327, as compared with 346 for the preceding week.

Deaths from the principal infectious diseases numbered 221, as compared with 273 for the preceding week.

The death rates for the week were: Boston, 19.69; Worcester, 18.99; Fall River, 25.70; Lowell, 19.42; Cambridge, 14.93; Lynn, 15.48; Lawrence, 18.68; Springfield, 11.55; Somerville, 16.98; New Bedford, 24.91; Holyoke, ——; Brockton, 7.81; Newton, 23.81; Haverhill, 10.65; Malden, 13.97; Salem, 16.78; Chelsea, 15.67; Fitchburg, 11.45; Taunton, 24.06; Everett, 8.61; North Adams, 5.34; Quincy, 13.58; Gloucester, ——; Waltham, 28.22; Brookline, 13.23; Pittsfield, 38.65; Medford, 18.95; Chicopee, 16.78; Northampton, 25.59; Beverly, 9.87; Leominster, ——; Clinton, 9.94; Adams, ——; Attleborough, ——; Hyde Park, 14.34; Newburyport, ——; Woburn, 21.79; Melrose, 7.53; Westfield, 15.06; Milford, ——; Marlborough, 15.28; Revere, 19.10; Framingham, ——; Peabody, ——; Gardner, ——; Southbridge, 26.63; Watertown, ——; Weymouth, 22.91; Plymouth, 9.34.

The total death rate for the week was 18.06, as compared with 17.69 and 19.56 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 5, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	22	Typhoid fever,	63
Diphtheria and croup,	68	Measles,	33
Small-pox,	0	Cerebro-spinal meningitis,	1

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Aug. 5, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 30,	29.66	66	67	64	100	97	98	E.	N.	13	8	R.	R.		0.17
Monday, 31,	29.62	62	64	59	92	91	92	N.	N.	12	15	O.	R.		0.01
Tuesday, Aug. 1,	29.84	62	66	58	94	84	89	N. E.	N. E.	12	4	R.	R.		0.12
Wednesday, 2,	29.92	68	79	58	68	70	69	N. W.	S. W.	9	6	F.	F.		0.07
Thursday, 3,	30.00	70	80	61	62	61	62	N. W.	S.	7	7	C.	C.		0.00
Friday, 4,	30.04	72	83	61	51	82	66	W.	S. W.	3	8	C.	C.		0.00
Saturday, 5,	30.06	75	74	64	80	71	76	S. W.	S.	14	10	C.	C.		0.00
Week,	29.88			61			79								0.37

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. Hazy S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 12, 1905.

An official publication of the State Board of Health of Maeeachueette, published weekly at the office of the Board, State House, Boeton, Mase.

VOL. XXIII. No. 32.

Entered at the post-office at Boston as second-class matter.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 12, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	* POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Boston,	617,950	236	93	98	13	24	1	66	4
Worcester,	127,763	39	17	13	1	..	..	13	..
Fall River,	105,697	65	..	44	1	4	..	36	..
Cambridge,	97,426	28	15	8	2	3	..	5	..
Lowell,	94,845	40	19	12	3	4	..	7	..
Lynn,	77,025	36	13	9	..	3	..	6	..
New Bedford,	74,321	42	27	14	..	1	..	13	..
Springfield,	73,484	21	9	9	1	3	..	6	..
Lawrence,	69,939	28	15	15	2	1	..	13	1
Somerville,	69,188	18	5	7	..	2	..	5	..
Holyoke,	49,124	19	12	13	..	3	..	9	1
Brockton,	47,782	19	4	4	..	2	..	..	2
Malden,	37,990	16	8	7	..	2	..	5	..
Haverhill,	37,818	11	3	3	1	3	..	..	..
Salem,	37,686	15	4	4	..	1	..	3	..
Chelsea,	37,277	17	11	..	..	..	..	..	..
Newton,	36,694	6	2	2	..	2	..	..	..
Fitchburg,	33,017	8	4	3	..	1	..	2	..
Taunton,	30,952	15	7	6	1	2	..	4	..
Everett,	29,108	13	5	1	1	1	..	..	..
Quincy,	28,067	8	3	3	..	1	..	2	..
Waltham,	26,239	11	4	3	..	2	..	1	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	14	4	3	..	..	..	1	..
Brookline,	23,424	3	..	..	..	..	..	..	..
North Adams,	22,125	9	3	1	..	1	..	..	..
Chicopee,	20,187	7	5	6	..	1	1	4	..
Northampton,	19,942	5	4	4	..	..	..	4	..
Medford,	19,638	5	1	1	..	1	..	..	..
Beverly,	15,222	12	5	..	..	..	..	..	..
Newburyport,	14,673	7	4	4	..	1	..	3	..
Hyde Park,	14,492	8	4	1	..	..	..	..	1
Woburn,	14,401	7	3	2	..	1	..	1	..
Melrose,	14,294	1	0	..	..	..	..	..	..
Leominster,	14,290	2	1	..	..	..	..	..	..
Marlborough,	14,072	4	2	2	..	..	..	2	..
Westfield,	13,609	3	2	..	..	..	..	..	..
Clinton,	13,105	7	4	4	..	1	..	3	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	5	4	1	..	1	..	..	..
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	3	2	..	..	..	..	..	..
Weymouth,	11,585	10	2	3	..	..	..	2	1
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	3	2	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	2	2	..	1	..	..	..	..
Wakefield,	10,266	.	..	.	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Diarrhœal Diseases.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,156,228	828	334	310	27	72	2	216	10

* NOTE.—The population given with the exception of Boston is taken from the advance sheets of the Official Census of Massachusetts, and is subject to correction.
The official population of Boston will probably appear in the [illegible]

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

Three hundred and ten deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal meningitis, 10; diphtheria and croup, 2; typhoid fever, 3; diarrhœal diseases, 216; whooping-cough, 5; puerperal fever, 1.

No deaths were reported from scarlet fever, malarial fever, erysipelas, small-pox or influenza.

There were 72 deaths from consumption, acute lung diseases, 27, still-births, 38.

From measles: Fall River, 1. From cerebro-spinal meningitis: Boston, 4; Brockton, 2; Lawrence, Holyoke, Hyde Park and Weymouth, 1 each. From diphtheria and croup: Boston and Chicopee, 1 each. From whooping cough: Boston and Fall River, 2 each; Pittsfield, 1. From typhoid fever: Boston, Lowell and Pittsfield, 1 each.

Deaths under five years of age numbered 334, as compared with 327 for the previous week.

Deaths from the principal infectious diseases numbered 310, as compared with 254 for the preceding week.

The death rates for the week were: Boston, 19.86; Worcester, 15.88; Fall River, 31.98; Cambridge, 14.94; Lowell, 21.93; Lynn, 24.30; New Bedford, 29.39; Springfield, 14.86; Lawrence, 20.82; Somerville, 13.53; Holyoke, 20.11; Brockton, 20.68; Malden, 21.90; Haverhill, 15.13; Salem, 20.70; Chelsea, 23.71; Newton, 8.50; Fitchburg, 12.60; Taunton, 25.20; Everett, 23.22; Quincy, 14.82; Waltham, 21.80; Gloucester, ——; Pittsfield, 29.12; Brookline, 6.66; North Adams, 21.18; Chicopee, 18.03; Northampton, 13.04; Medford, 13.24; Beverly, 40.99; Newburyport, 24.81; Hyde Park, 28.71; Woburn, 25.28; Melrose, 3.64; Leominster, 7.28; Marlborough, 14.78; Westfield, 11.46; Clinton, 27.78; Peabody, ——; Attleborough, ——; Revere, 20.56; Adams, ——; Milford, ——; Gardner, 13.02; Weymouth, 44.88; Framingham, ——; Watertown, 13.93; Plymouth, ——; Southbridge, 9.50; Wakefield, ——.

The total death rate for the week was 19.97, as compared with 18.06 and 17.69 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 12, 1905.

(Under the Provisions of section 32 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	39	Typhoid fever,	119
Diphtheria and croup,	48	Measles,	28
Small-pox,	1	Cerebro-spinal meningitis,	19

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Aug. 12, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 6,	29.91	69	74	64	99	69	84	N. E.	S. W.	2	10	G.	O.		0.00
Monday, 7,	29.86	77	87	67	73	59	66	N. W.	W.	8	5	F.	O.		0.00
Tuesday, 8,	30.02	74	81	67	59	69	64	W.	S. W.	7	6	O.	O.		0.00
Wednesday, 9,	30.10	74	76	71	82	93	88	W.	S. W.	6	8	O.	O.		0.03
Thursday, 10,	30.11	78	86	70	80	75	78	S. W.	S. W.	16	12	C.	C.		T
Friday, 11,	30.12	80	87	74	89	75	82	S. W.	W.	12	8	O.	R.		0.01
Saturday, 12,	30.94	80	86	73	77	87	82	S. W.	S. W.	14	4	O.	O.		1.53
Week,	30.15		82	69			78								1.57

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of July, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	101	20	121	Maple Syrup,	..	2	2
Butter,	..	1	1	Canned Goods,	2	..	2
Cheese,	1	..	1	Honey,	1	..	1
Condensed Milk,	1	..	1	Tea,	..	..	..
Lemon Extract,	1	1	2	Coffee,	1	..	1
Vinegar,	1	..	1	Beer,	12	14	26
Spices,	8	5	13	Clams,	1	1	2
Cream of Tartar,	3	1	4	Miscellaneous,	2	1	3
Lime Juice,	..	13	13	Meat Products,	2	..	3
Eggs,	20	5	25	Non-Alcoholic Drinks,	6	..	6
Catsup,	2	4	6	Drugs,	24	12	36
				Totals,	190	80	270

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to fraudulent practices.

Twenty-nine convictions were secured during the month for selling adulterated foods, as follows: —

No.	Name of Defendant.	Place.	Character of Article Sold.
1	Albert E. Ayer,	Reading,	Milk.
2	Alden D. Wellington,	Wayland,	Milk.
3	Thomas F. Burke,	Clinton,	Ale.
4	Thomas F. Burke,	Clinton,	Porter.
5	Thomas H. Hastings,	Clinton,	Ale.
6	Thomas H. Hastings,	Clinton,	Porter.
7	Morris Brown,	Roxbury,	Canned Eggs.
8	Morris Brown,	Roxbury,	Canned Eggs.
9	Morris Brown,	Roxbury,	Canned Eggs.
10	Edward C. Ward,	Boston,	Lime Juice.
11	Edward C. Ward,	Boston,	Lime Juice.
12	Charles Connors,	Boston,	Lime Juice.
13	Claudius M. Tice,	Boston,	Maple Syrup.
14	Harry Redden,*	Boston,	Pepper.
15	Harry Redden,*	Boston,	Mustard.
16	Harry Redden,*	Boston,	Baking Powder.†
17	Harry Redden,*	Boston,	Catsup.
18	Wm. H. Freeman,	North Adams,	Milk.
19	Owen W. Welch,	North Adams,	Ale.
20	Edward Fitzgerald,	North Adams,	Ale.
21	John Godding,	Ashburnham,	Milk.
22	John C. Finnigan,	Woburn,	Milk.
23	W. M. Kennedy,	Ware,	Tincture of Iodine.
24	Michael T. Dwyer,	Clinton,	Ale.
25	Michael T. Dwyer,	Clinton,	Beer.
26	Patrick H. Morrison,	Clinton,	Ale.
27	Patrick H. Morrison,	Clinton,	Porter.
28	Lawrence A. Shortell,	Boston,	Port Wine.
29	Max Braman,	Boston,	Maple Syrup.

* Appealed. † Not properly labelled.

Fines imposed, $517.00.

The samples of drugs found to be adulterated were: Capsicum, Cinamomum, Spiritus Camphoræ and Tinctura Iodi.

Cities and towns from which samples of food were collected were: Woburn, Boston, Clinton, Framingham, Milford, Attleborough, Cambridge, Greenfield, Worcester, Brookline, Webster, Natick, Haverhill, Ware, Palmer, Waltham, North Adams and Newton.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of July, 1905.

Number of Sample.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
6984 L	Maple Syrup.	"Sugar Notch Pure Vermont Syrup." C. M. Tice & Co., Boston, Mass.	Largely refined cane sugar syrup.
657 N	Beer.	[Registered.] M. T. Dwyer & Co., Clinton, Mass.	Preserved with salicylic acid.
659 N	Ale.	[Registered.] M. T. Dwyer & Co., Clinton, Mass.	Preserved with salicylic acid.
661 N	Ale.	[Registered.] Clinton House, P. H. Morrison, Prop.	Preserved with salicylic acid.
663 N	Porter.	[Registered.] Clinton House, P. H. Morrison, Prop.	Preserved with salicylic acid.
6880 L	Ale.	[Registered.] Burke & Hastings, Clinton, Mass.	Preserved with salicylic acid.
6882 L	Porter.	[Registered.] Burke & Hastings, Clinton, Mass.	Preserved with salicylic acid.
7084 L	Porter.	[Registered.] M. A. Liller, Webster, Mass.	Preserved with salicylic acid.
7086 L	Ale.	[Registered.] M. A. Liller, Webster, Mass.	Preserved with salicylic acid.
833 N	Ale.	[Registered.] W. C. Klebart, Webster, Mass.	Preserved with salicylic acid.
7116 L	India Pale Ale.	The Bergner & Engel Brewing Co., Philadelphia, Penn.	Preserved with salicylic acid.
7044 L	Clams.	C. P. Cobb & Co., Worcester, Mass.	Preserved with boric acid.
6052 L	Lime Juice.	Bee Brand. Geo. Wm. Bentley Co., Boston.	50% added water. Preserved with benzoic acid.
443 N	Lime Juice.	Danish West India Lime Juice.	60% added water. Preserved with sulphurous acid.
647 N	Lime Juice.	Princess. J. P. W. von Laer & Co., Boston.	66% added water. Preserved with salicylic acid.
6864 L	Lime Juice.	Dominica. Eagle Extract Co., Boston.	63% added water. Preserved with sulphurous acid.
6866 L	Lime Juice.	Montego.	62% added water. Preserved with salicylic acid.
6868 L	Lime Juice.	West India. Eagle Extract Co., Boston.	62% added water. Preserved with sulphurous acid.
6858 L	Lime Juice.	West India. Jamaica Fruit Co., Boston.	60% added water. Preserved with sulphurous acid.
6860 L	Lime Juice.	Manhattan Club. J. H. Folkins Co., Boston.	57% added water. Preserved with sulphurous and salicylic acids.
6862 L	Lime Juice.	Banner. Simpson Spring Co., So. Easton.	63% added water. Preserved with sulphurous acid.
6870 L	Lime Juice.	Favorite. J. T. Connor Co, Boston.	43% added water. Preserved with sulphurous and salicylic acids.
6908 L	Lime Juice.	Crown. J. P. W. von Laer & Co., Boston.	44% added water. Preserved with salicylic acid.
7040 L	Lime Juice.	Rose's Prepared West India Lime Juice.	Preserved with sulphurous acid.
667 N	Lemon Extract.	20th Century Monarch Extract Co., South Lancaster, Mass.	3.4% lemon oil.
6900 L	Pepper.	Tiger Mills "Select Compound," N. Y.	Largely ground nutshells and fruit stones.
6902 L	Mustard.	Tiger Mills "Select Compound." N. Y.	Chiefly wheat and turmeric.
6034 L	Cloves.	Gold Medal. Importers Branch, Boston.	Contains exhausted cloves.
5578 L	Cloves.	Preminm. S. Schener & Sons.	Contains exhausted cloves.
6030 L	Ginger.	Gold Medal. Importers Branch, Boston.	Contains exhausted ginger.

NOTES.

It is said that but a short time ago the cash value of stale and rotten eggs was 10 cents per case, and that the only buyers were leather manufacturers, who can make use of them in certain of their processes. It was discovered, however, that the offensive odor of the eggs can be completely neutralized by the addition of formaldehyde, and in consequence the demand for this refuse has increased to such an extent that the price per case has advanced more than a dollar. A number of persons appear to have been doing a fairly large business in egg white, egg yolk and "mixed eggs," the purchasers being bakers, who have been led to believe that the material was derived solely from eggs cracked in transit. Cracked eggs and eggs not far advanced in decay can be separated into egg white and egg yolk, but those which are quite stale or rotten cannot be so separated, and, therefore, their contents are mixed thoroughly together and treated with the deodorant and preservative. It is said that one large baking establishment has for a long time bought as much as a thousand pounds of mixed eggs daily, in the belief that they were perfectly fresh and wholesome. Three prosecutions for their sale were made in Roxbury, and the results, together with the fact that the bakers have been put on their guard, have put an end to the business.

During the month of July, 409 dairies, situated in Boylston, Hingham, Hopkinton, Lancaster, Northboro, Shrewsbury, Southboro, Sterling and Westboro, were visited and examined by the veterinary inspector. As in previous months, the great majority revealed conditions inconsistent with the production of a sanitary milk supply, and letters were sent in each case, calling attention thereto.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 19, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 33.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
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CHARLES HARRINOTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 19, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	593,598	226	93	93	17	24	3	3	2
Worcester,	127,763	45	25	19	1	..	..	4	1
Fall River,	105,697	51	31	29	2	3	..	2	..
Cambridge,	97,426	23	11	5	3	..	..	..	..
Lowell,	94,845	45	17	17	3	1	..	1	..
Lynn,	77,025	26	12	8	..	3	..	..	..
New Bedford,	74,321	28	16	16	..	3	..	..	..
Springfield,	73,484	26	8	8	1	3	..	1	..
Lawrence,	69,939	29	14	12	1	3	..	..	..
Somerville,	69,188	10	4	5	..	2	..	..	..
Holyoke,	49,124	11	8	6	1	..	..	..	..
Brockton,	47,782	16	5	3	..	3	..	..	..
Malden,	37,990	8	5	3	..	..	..	..	..
Haverhill,	37,818	14	5	5	..	..	..	..	1
Salem,	37,586	18	10	..	..	..	..	..	..
Chelsea,	37,277	14	6	1	..	..	..	1	..
Newton,	36,694	12	..	1	1	..	..	..	..
Fitchburg,	33,017	11	6	5	..	1	..	..	..
Taunton,	30,952	..	..	..	..	..	..	..	..
Everett,	29,108	7	5	1	1	1	..	..	..
Quincy,	28,067	10	5	5	1	..	..	1	..
Waltham,	26,239	10	4	2	..	1	..	..	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	9	3	3	..	..	..	..	..
Brookline,	23,424	3	2	..	..	..	..	..	..
North Adams,	22,125	9	4	..	..	..	..	..	..
Chicopee,	20,187	10	7	6	..	1	..	..	..
Northampton,	19,942	9	5	2	..	1	..	..	..
Medford,	19,638	2	1	..	..	..	..	..	..
Beverly,	15,222	7	3	..	..	..	..	..	..
Newburyport,	14,673	6	2	2	1	1	..	..	..
Hyde Park,	14,492	2	2	..	..	..	..	..	..
Woburn,	14,401	5	2	4	..	3	..	..	..
Melrose,	14,294	4	0	1	..	1	..	..	..
Leominster,	14,290	2	..	1	..	..	..	1	..
Marlborough,	14,072	3	0	..	1	..	..	..	..
Westfield,	13,609	2	1	..	..	..	..	..	..
Clinton,	13,105	7	3	1	..	..	..	1	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	5	2	2	..	..	..	..	..
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	4	4	2	..	..	..	..	..
Weymouth,	11,585	4	0	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	2	2	2	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	11	7	8	..	..	..	..	..
Wakefield,	10,266	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,100,824	746	340	278	34	55	3	15	4

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts, and is subject to correction.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

Two hundred and seventy-eight deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 4; diphtheria and croup, 3; typhoid fever, 15; diarrhœal diseases, 196; scarlet fever, 1; whooping-cough, 4.

No deaths were reported from malarial fever, puerperal fever, erysipelas or small-pox.

There were 55 deaths from consumption, acute lung diseases, 34, still-births, 41.

From scarlet fever: Somerville, 1. From cerebro-spinal meningitis: Boston, 2; Worcester, 1; Haverhill, 1. From diphtheria and croup: Boston, 3. From whooping cough: Boston, 2; Fall River and Pittsfield, 1 each. From typhoid fever: Worcester, 4; Boston, 3; Fall River, 2; Lowell, Springfield, Chelsea, Quincy, Clinton and Leominster, 1 each.

Deaths under five years of age numbered 340, as compared with 334 for the preceding week.

Deaths from the principal infectious diseases numbered 278, as compared with 310 for the preceding week.

The death rates for the week were: Boston, 19.80; Worcester, 18.32; Fall River, 25.09; Cambridge, 12.28; Lowell, 24.67; Lynn, 17.55; New Bedford, 19.59; Springfield, 18.40; Lawrence, 21.56; Somerville, 7.52; Holyoke, 11.64; Brockton, 17.41; Malden, 10.95; Haverhill, 19.25; Salem, 24.84; Chelsea, 19.53; Newton, 17.01; Fitchburg, 17.32; Taunton, ——; Everett, 12.51; Quincy, 18.53; Waltham, 19.82; Gloucester, ——; Pittsfield, 18.72; Brookline, 6.66; North Adams, 21.15; Chicopee, 25.76; Northampton, 23.47; Medford, 5.30; Beverly, 23.91; Newburyport, 21.26; Hyde Park, 7.18; Woburn, 18.05; Melrose, 14.55; Leominster, 7.28; Marlborough, 11.09; Westfield, 7.64; Clinton, 27.78; Peabody, ——; Attleborough, ——; Revere, 20.56; Adams, ——; Milford, ——; Gardner, 17.36; Weymouth, 17.96; Framingham, ——; Watertown, 9.28; Plymouth, ——; Southbridge, 52.25; Wakefield, ——.

The total death rate for the week was 18.46, as compared with 19.97 and 18.06 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 19, 1905.

(Under the Provisions of section 32 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	28	Typhoid fever,	118
Diphtheria and croup,	71	Measles,	43
Small-pox,	1	Cerebro-spinal meningitis,	3

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Aug. 19, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 13,	29.96	74	83	64	77	40	58	N. W.	N.	8	7	O.	C.		0.00
Monday, 14,	30.10	64	68	60	63	60	62	N. E.	S. E.	12	10	C.	C.		0.00
Tuesday, 15,	29.90	60	65	54	64	96	70	S. E.	N. E.	10	16	F.	R.		0.46
Wednesday, 16,	29.86	56	58	54	94	78	86	N. E.	N.	11	8	O.	O.		0.22
Thursday, 17,	30.16	56	69	53	78	71	74	N. W.	S. E.	7	3	C.	C.		0.00
Friday, 18,	30.26	62	68	57	77	67	72	E.	S.	2	8	C.	C.		0.00
Saturday, 19,	30.16	60	65	56	79	76	78	E.	E.	4	10	C.	C.		0.00
Week,	30.06		68	57			72								0.68

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 26, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 34.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 26, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Cronp.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	593,598	237	100	84	13	21	1	3	3
Worcester,	127,763	57	22	21	1	1	1	2	..
Fall River,	105,697	44	26	21	2	5	1	..	..
Cambridge,	97,426	34	15	10	..	3	..	..	..
Lowell,	94,845	42	23	13	2	1	1	..	..
Lynn,	77,025	29	11	9	2	3	..	..	..
New Bedford,	74,321	31	14	12	1	3	1	..	..
Springfield,	73,484	24	8	7	..	..	..	2	..
Lawrence,	69,939	28	16	12	1	2	..	1	..
Somerville,	69,188	25	11	10	..	4	..	..	..
Holyoke,	49,124	19	9	7	..	3	..	..	
Brockton,	47,782	13	7	2	..	..	..	1	1
Malden,	37,990	6	2	1	..	..	..	..	..
Haverhill,	37,818	17	6	1	..	..	..	1	..
Salem,	37,586	24	17	7	..	..	1	1	..
Chelsea,	37,277	12	7	1	..	..	..	..	..
Newton,	36,694	12	5	5	..	1	..	..	..
Fitchburg,	33,017	14	6	8	..	1	..	..	..
Taunton,	30,952	..	..	..	..	..	..	..	..
Everett,	29,108	10	4	2	..	1	..	..	1
Quincy,	28,067	15	7	6	1	2	..	..	..
Waltham,	26,239	5	2	2	..	1	..	..	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	10	2	2	1	..	..	..	..
Brookline,	23,424	..	..	..	..	..	..	..	..
North Adams,	22,125	3	0	1	1	..	..	..	1
Chicopee,	20,187	5	4	4	1	1	..	..	..
Northampton,	19,942	9	4	4	..	1	..	1	..
Medford,	19,638	7	3	1	..	..	..	..	..
Beverly,	15,222	6	2	..	..	..	..	..	..
Newburyport,	14,673	5	1	2	..	1	..	..	1
Hyde Park,	14,492	5	2	2	..	..	..	1	..
Woburn,	14,401	2	..	1	..	1	..	..	..
Melrose,	14,294	4	1	..	..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	3	2	1	..	..	..	..	..
Westfield,	13,609	5	3	1	..	1	..	..	..
Clinton,	13,105	7	3	2	1	..	..	..	1
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	5	3	2	..	..	..	..	1
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	7	5	..	1	..	..	..	..
Weymouth,	11,585	5	..	1	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	1	1	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947		4	4	..	1	1	..	..
Wakefield,	10,266	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infections Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,063,110	796	358	269	28	58	7	13	9

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts, and is subject to correction.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Two hundred and sixty-nine deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 1; cerebro-spinal meningitis, 9; diphtheria and croup, 7; typhoid fever, 13; diarrhœal diseases, 175; whooping-cough, 3; erysipelas, 2.

No deaths were reported from malarial fever, puerperal fever, small-pox or influenza.

There were 58 deaths from consumption, acute lung diseases, 28, still-births, 29.

From measles: Boston, 1. From scarlet fever: Lawrence, 1. From cerebro-spinal meningitis: Boston, 3; Brockton, Everett, North Adams, Newburyport, Clinton and Revere, 1 each. From diphtheria and croup: Boston, Worcester, Fall River, Lowell, New Bedford, Salem and Southbridge, 1 each. From whooping cough: Pittsfield, 2; Revere, 1. From erysipelas: Boston, 2. From typhoid fever: Boston, 3; Worcester and Springfield, 2 each; Lawrence, Brockton, Haverhill, Salem, Northampton and Hyde Park, 1 each.

Deaths under five years of age numbered 358, as compared with 340 for the preceding week.

Deaths from the principal infectious diseases numbered 269, as compared with 278 for the preceding week.

The death rates for the week were: Boston, 20.76; Worcester, 23.20; Fall River, 21.65; Cambridge, 18.15; Lowell, 23.03; Lynn, 19.58; New Bedford, 21.69; Springfield, 16.98; Lawrence, 20.82; Somerville, 18.79; Holyoke, 20.11; Brockton, 14.15; Malden, 8.21; Haverhill, 23.38; Salem, 33.20; Chelsea, 16.74; Newton, 17.01; Fitchburg, 22.05; Taunton, ——; Everett, 17.86; Quincy, 27.79; Waltham, 9.91; Gloucester, ——; Pittsfield, 20.80; Brookline, ——; North Adams, 7.05; Chicopee, 12.88; Northampton, 23.47; Medford, 18.54; Beverly, 20.50; Newburyport, 17.72; Hyde Park, 17.94; Woburn, 7.22; Melrose, 14.55; Leominster, ——; Marlborough, 11.09; Westfield, 19.10; Clinton, 22.78; Peabody, ——; Attleborough, ——; Revere, 20.56; Adams, ——; Milford, ——; Gardner, 30.38; Weymouth, 22.44; Framingham, ——; Watertown, 4.64; Plymouth, ——; Southbridge, 42.75; Wakefield, ——.

The total death rate for the week was 20.06, as compared with 18.46 and 19.77 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 26, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	23	Typhoid fever,	96
Diphtheria and croup,	56	Measles,	39
Small-pox,	0	Cerebro-spinal meningitis,	6

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Aug. 26, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 20,	30.00	62	73	52	83	80	82	N. W.	S.	4	5	C.	O.		T
Monday, 21,	30.03	68	75	62	87	77	82	N. W.	S.	5	6	C.	C.		0.00
Tuesday, 22,	29.94	78	90	65	78	74	76	S. W.	S. W.	8	12	F.	O.		0.13
Wednesday, 23,	30.00	76	83	68	60	51	56	W.	N. W.	9	4	C.	C.		0.00
Thursday, 24,	29.98	78	89	67	60	67	64	S. W.	W.	10	8	F.	F.		T
Friday, 25,	30.08	68	75	62	82	82	82	E.	S. E.	10	6	R.	O.		0.20
Saturday, 26,	30.02	64	69	58	76	64	70	N. E.	N. E.	9	6	O.	C.		0.00
Week,	30.01		79	62			73								0.33

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 2, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 35.

Entered at the post-office at Boston as second-class matter.

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MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 2, 1905.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	593,598	212	87	78	14	27	1	5	..
Worcester,	127,763	40	16	9	5	..	..	1	..
Fall River,	105,697	28	21	16	2	..	..	..	..
Cambridge,	97,426	20	11	8	..	1	1	..	..
Lowell,	94,845	30	12	10	1	3	..	..	..
Lynn,	77,025	18	5	5	..	3	..	..	2
New Bedford,	74,321	19	8	7	1	2	..	..	..
Springfield,	73,484	19	4	3	1	..	..	..	..
Lawrence,	69,939	19	8	9	1	3	..	..	1
Somerville,	69,188	19	7	6	2	2	..	..	..
Holyoke,	49,124	14	8	6	..	2	..	..	..
Brockton,	47,782	7	2	1	1	1	..	..	..
Malden,	37,990	10	2	3	..	1	..	..	..
Haverhill,	37,818	16	6	4	..	1	..	..	..
Salem,	37,586	17	8	5	..	..	..	..	..
Chelsea,	37,277	8	2	..	1	..	..	..	..
Newton,	36,694	7	4	..	..	..	..	..	..
Fitchburg,	33,017	7	4	..	..	..	..	..	..
Taunton,	30,952	18	7	5	2	1	..	..	..
Everett,	29,108	3	1	1	..	1	..	..	..
Quincy,	28,067	6	2	2	..	..	..	..	..
Waltham,	26,239	7	3	..	1	..	..	..	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	7	2	3	..	1	..	..	..
Brookline,	23,424	7	2	..	..	..	..	..	..
North Adams,	22,125	8	3	..	..	..	..	..	..
Chicopee,	20,187	10	5	5	1	2	..	..	..
Northampton,	19,042	3	0	2	..	1	..	..	..
Medford,	19,638	5	1	2	1	..	1	1	..
Beverly,	15,222	4	1	1	..	1	..	..	..
Newburyport,	14,673	9	2	2	..	..	..	..	..
Hyde Park,	14,492	3	0	..	..	..	..	..	..
Woburn,	14,401	..	..	.	..	..	..	..	..
Melrose,	14,294	5	1	3	..	3	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	5	3	3	..	..	..	..	2
Westfield,	13,609	7	3	3	..	3	..	..	..
Clinton,	13,105	4	1	2	..	..	..	1	1
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	3	2	..	..	..	..	..	..
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	0	..	..	..	..	..	..	..
Weymouth,	11,585	5	1	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	1	0	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	8	5	7	..	..	..	..	..
Wakefield,	10,266	1	..	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,113,351	639	260	211	35	59	3	8	6

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts, 1905, subject to correction.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

Two hundred and eleven deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 1; cerebro-spinal meningitis, 6; diphtheria and croup, 3; typhoid fever, 8; diarrhœal diseases, 128; erysipelas, 1; whooping-cough, 4.

No deaths were reported from malarial fever, puerperal fever, influenza or small-pox.

There were 59 deaths from consumption, acute lung diseases, 35, still-births, 43.

From measles: Boston, 1. From scarlet fever: Worcester, 1. From cerebro-spinal meningitis: Lynn, 2; Lawrence, 1; Clinton, 1; Marlborough, 2. From diphtheria and croup: Boston, Cambridge and Medford, 1 each. From whooping cough: Boston, 2; Lowell, 1; Cambridge, 1. From erysipelas: Boston, 1. From typhoid fever: Boston, 5; Worcester, Medford and Clinton, 1 each.

Deaths under five years of age numbered 260, as compared with 358 for the preceding week.

Deaths from the principal infectious diseases numbered 211, as compared with 269 for the preceding week.

The death rates for the week were: Boston, 18.57; Worcester, 16.28; Fall River, 13.78; Cambridge, 10.67; Lowell, 16.45; Lynn, 12.15; New Bedford, 13.29; Springfield, 13.45; Lawrence, 14.13; Somerville, 14.28; Holyoke, 14.82; Brockton, 7.62; Malden, 13.69; Haverhill, 22.00; Salem, 23.52; Chelsea, 11.16; Newton, 9.92; Fitchburg, 11.02; Taunton, 30.24; Everett, 5.36; Quincy, 11.12; Waltham, 13.87; Gloucester, ——; Pittsfield, 14.56; Brookline, 15.54; North Adams, 18.80; Chicopee, 25.76; Northampton, 7.82; Medford, 13.24; Beverly, 13.66; Newburyport, 31.90; Hyde Park, 10.76; Woburn, ——; Melrose, 18.19; Leominster, ——; Marlborough, 18.48; Westfield, 26.75; Clinton, 15.87; Peabody, ——; Attleborough, ——; Revere, 12.33; Adams, ——; Milford, ——; Gardner, ——; Weymouth, 22.44; Framingham, ——; Watertown, 4.64; Plymouth, ——; Southbridge, 38.00; Wakefield, 5.07.

The total death rate for the week was 15.72, as compared with 20.06 and 18.46 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 2, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	28	Typhoid fever,	145
Diphtheria and croup,	58	Measles,	24
Small-pox,	1	Cerebro-spinal meningitis,	4

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Aug. 26, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 27,	30.10	58	62	54	86	66	76	N.	N.	10	6	O.	C.		0.04
Monday, 28,	30.11	61	71	51	71	58	64	N.	S. W.	9	8	C.	C.		0.00
Tuesday, 29,	29.83	66	73	60	89	60	74	W.	W.	8	5	O.	C.		0.09
Wednesday, 30,	29.64	69	75	63	71	78	74	W.	S. W.	12	5	O.	O.		0.32
Thursday, 31,	29.80	62	64	59	97	81	89	N. E.	S. W.	13	4	R.	C.		0.10
Friday, 1,	30.03	63	70	56	79	74	76	W.	S. W.	7	9	O.	O.		0.00
Saturday, 2,	30.18	61	68	54	91	83	87	W.	S. E.	3	7	F.	O.		0.07
Week,	29.96		69	57			77								0.62

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

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OF

MASSACHUSETTS

FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 9, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

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Boston,	593,598	200	72	60	13	22	1	1	..
Worcester,	127,763	39	11	8	4	..	1	2	1
Fall River,	105,697	37	15	18	1	1	2	..	..
Cambridge,	97,426	25	11	8	2	3	..	..	..
Lowell,	94,845	35	11	8	6	2	..	..	2
Lynn,	77,025	17	7	3	..	1	..	..	..
New Bedford,	74,321	30	16	12	2	2	1	..	..
Springfield,	73,484	18	6	4	1	..	1	1	..
Lawrence,	69,939	33	17	4	3	..	..	2	..
Somerville,	69,188	24	10	1	..	1	..	..	..
Holyoke,	49,124	10	4	4	..	3	1	..	..
Brockton,	47,782	4	..	2	..	2	..	..	..
Malden,	37,990	2	1	..	1	..	..	..	..
Haverhill,	37,818	13	2	1	1	1	..	..	..
Salem,	37,586	11	8	5	..	1	..	..	..
Chelsea,	37,277	13	7	..	..	..	..	..	..
Newton,	36,694	13	2	..	2	..	..	..	..
Fitchburg,	33,017	9	5	..	..	..	..	..	..
Taunton,	30,952	17	5	6	1	3	..	1	..
Everett,	29,108	5	1	2	..	..	1	..	..
Quincy,	28,067	5	2	1	1	1	..	..	..
Waltham,	26,239	7	2	1	..	..	..	..	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	5	2	2	..	..	..	1	..
Brookline,	23,424	5	2	1	..	1	..	..	..
North Adams,	22,125	3	2	2	..	..	..	..	..
Chicopee,	20,187	6	5	3	..	..	..	..	..
Northampton,	19,942	5	0	..	..	..	..	..	..
Medford,	19,638	4	1	4	..	1	..	..	1
Beverly,	15,222	3	1	1	..	..	..	1	..
Newburyport,	14,673	4	3	..	..	..	..	..	..
Hyde Park,	14,492	5	4	1	..	1	..	..	..
Woburn,	14,401	..	..	..	..	..	..	..	..
Melrose,	14,294	5	2	1	..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	3	0	1	..	1	..	..	..
Westfield,	13,609	3	2	1	..	..	..	1	..
Clinton,	13,105	6	4	5	..	..	1	1	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	2	1	1	..	..	..	..	..
Adams,	12,482	2	..	2	..	..	..	1	1
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	4	2	2	..	..	..	..	..
Weymouth,	11,585	0	..	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	2	1	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	2	2	2	..	..	..	..	1
Wakefield,	10,266	2	2	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,122,115	638	251	177	38	47	9	12	6

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and seventy-seven deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 6; diphtheria and croup, 9; typhoid fever, 12; diarrhœal diseases, 96; whooping-cough, 4; erysipelas, 2; puerperal fever, 1.

No deaths were reported from measles, scarlet fever, malarial fever, small-pox or influenza.

There were 47 deaths from consumption, acute lung diseases, 38, still-hirths, 34.

From cerebro-spinal meningitis: Worcester, 1; Lowell, 2; Medford, 1; Adams, 1; Southhridge, 1. From diphtheria and croup: Fall River, 2; Boston, Worcester, New Bedford, Springfield, Holyoke, Everett and Clinton, 1 each. From whooping cough: Lowell, 1; Camhridge, 2; Taunton, 1. From erysipelas: Boston and Revere, one each. From typhoid fever: Worcester, 2; Lawreuce, 2; Boston, Springfield, Taunton, Pittsfield, Beverly, Clinton, Westfield and Adams, 1 each.

Deaths under five years of age numbered 251, as compared with 260 for the preceding week.

Deaths from the principal infectious diseases numhered 177, as compared with 211 for the preceding week.

The death rates for the week were: Boston, 17.52; Worcester, 15.87; Fall River, 18.20; Camhridge, 13.34; Lowell, 19.19; Lynn, 11.48; New Bedford, 20.99; Springfield, 12.74; Lawrence, 23.79; Somerville, 18.04; Holyoke, 10.59; Brockton, 4.35; Malden, 2.74; Haverhill, 17.88; Salem, 15.22; Chelsea, 18.13; Newton, 18.42; Fitchhurg, 14.17; Taunton, 28.56; Everett, 8.93; Quincy, 9.26; Waltham, 13.87; Gloucester, ——; Pittsfield, 10.40; Brookline, 11.10; North Adams, 7.05; Chicopee, 15.46; Northampton, 13.04; Medford, 10.59; Beverly, 10.25; Newburyport, 14.18; Hyde Park, 17.94; Wohurn, ——; Melrose, 18.19; Leominster, ——; Marlhorough, 11.09; Westfield, 11.46; Clinton, 23.81; Peahody, ——; Attleborough, ——; Revere, 8.22; Adams, 8.33; Milford, ——; Gardner, 17.36; Weymouth, ——; Framingham, ——; Watertown, 9.28; Plymouth, ——; Southhridge, 9.50; Wakefield, 10.13.

The total death rate for the week was 15.64, as compared with 15.72 and 20.06 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 9, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	28	Typhoid fever,	160
Diphtheria and croup,	64	Measles,	10
Small-pox,	1	Cerebro-spinal meningitis,	1

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, Sept. 9, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 3,	30.13	66	70	63	95	95	95	S. E.	S.	16	15		R.	R.			2.88
Monday, . . 4,	29.96	70	75	65	95	90	92	S.	W.	8	5		R.	O.			1.73
Tuesday, . . 5,	29.92	72	81	63	92	76	84	W.	W.	6	10		O.	C.			0.00
Wednesday, . 6,	29.94	67	74	60	74	84	79	W.	W.	8	6		O.	C.			0.01
Thursday, . . 7,	30.01	64	69	58	74	89	82	N. W.	S. E.	10	2		C.	R.			0.02
Friday, . . 8,	30.14	64	72	55	71	60	66	N.	W.	9	6		C.	C.			0.00
Saturday, . . 9,	30.24	66	76	57	70	83	76	N. W.	S.	5	4		C.	C.			0.00
Week, . . .	30.05		74	60			82										4.64

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of August, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	124	17	141	Maraschino Cherries,	..	1	1
Condensed Milk,	4	..	4	Honey,	2	..	2
Cream,	2	2	4	Lime Juice,	..	1	1
Jam and Jelly,	1	1	2	Grape Juice,	1	..	1
Cake,	1	..	1	Meat Products,	2	..	2
Vinegar,	5	5	10	Clams,	1	..	1
Cream of Tartar,	4	..	4	Malt Liquors,	45	43	88
Molasses,	9	..	9	Non-Alcoholic Drinks,	13	9	22
Maple Syrup,	2	..	2	Drugs,	26	15	41
				Totals,	242	94	336

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to fraudulent practices.

Thirty-six convictions were secured during the month for selling adulterated foods, as follows: —

No.	Name of Defendant.	Place.	Character of Article Sold.
1	E. S. Pierce Co.,	Worcester,	Ale.
2	Geo. F. Hewett Co.,	Worcester,	Ale.
3	Gustaf Johnson,*	Worcester,	Ale.
4	Peter Doyle,	Worcester,	Ale.
5	Peter Doyle,	Worcester,	Porter.
6	Patrick McLaughlin,	Worcester,	Porter.
7	Patrick McLaughlin,	Worcester,	Ale.
8	Thomas J. Donaher,*	Worcester,	Ale.
9	Thomas J. Donaher,*	Worcester,	Porter.
10	John H. Cone,	Worcester,	Clams.
11	Thomas R. Linton,	Boston,	Extract of Vanilla.
12	Michael A. Lilla,	Webster,	Porter.
13	Michael A. Lilla,	Webster,	Ale.
14	Bernard F. Miller,	Webster,	Ale.
15	Bernard F. Miller,	Webster,	Porter.
16	Daniel F. Conlon,*	Lawrence,	Porter.
17	Daniel F. Conlon,*	Lawrence,	Ale.
18	Edward C. Ward,	Woburn,	Lime Juice.
19	Frank J. Deignan,	Worcester,	Ale.
20	Frank J. Deignan,	Worcester,	Porter.
21	Mrs. Annie E. Stevens,	Gloucester,	Milk.
22	John L. Babson,	Gloucester,	Milk.
23	Thomas McDougal,	Gloucester,	Milk.
24	John Geary,	Gloucester,	Milk.
25	Elihu B. Andrews,	Gloucester,	Milk.
26	Chas. F. Grok,	Webster,	Ale.
27	Samuel F. Daley,	Worcester,	Ale.
28	Samuel F. Daley,	Worcester,	Porter.
29	John Brophy,	Worcester,	Ale.
30	John Brophy,	Worcester,	Porter.
31	Patrick O'Shea,	Worcester,	Porter.
32	Patrick O'Shea,	Worcester,	Ale.
33	John J. O'Shea,	Worcester,	Ale.
34	John J. O'Shea,	Worcester,	Porter.
35	Michael F. O'Day,	Worcester,	Ale.
36	Michael F. O'Day,	Worcester,	Porter

* Appealed.

The samples of drugs found to be adulterated were: Extractum Zingiberis Fluidi, Oleum Cinnamomi, Oleum Limonis, Spiritus Camphoræ, Spiritus Frumenti and Tinctura Iodi.

Cities and towns from which samples of food were collected were: Boston, Cambridge, Lawrence, Lynn, Quincy, Gloucester, Haverhill, Newburyport, Nantucket, Southbridge, Worcester, New Bedford, Provincetown, Taunton, Chelsea, Winthrop, Woburn and Sudbury.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of August, 1905.

Number of Sample.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
7120 L	Ale.	Bull's Head Ale. Souther Brewing Co., Boston, Mass.	Preserved with salicylic acid.
7122 L	Ale.	India Pale Ale. C. H. Evans & Sons, Hudson, N. Y.	Preserved with salicylic acid.
7130 L	Ale.	Sparkling Ale. Bowler Bros., Worcester.	Preserved with salicylic acid.
7384 L	Ale.	Van Nostrand's P. B. Ale.	Preserved with salicylic acid.
7292 L	Stout.	Van Nostrand's Old Stout.	Preserved with salicylic acid.
1089 N	Ale.	[Registered.] T. F. Murphy, Hotel Columbia, Southbridge, Mass.	Preserved with salicylic acid.
1091 N	Porter.	[Registered.] T. F. Murphy, Hotel Columbia, Southbridge, Mass.	Preserved with salicylic acid.
7248 L	Ale.	Cream Stock Ale. N. J. Higgins & Co., Boston.	Preserved with a fluoride.
7206 L	Harvard Sparkling Ale.	Harvard Brewing Co., Lowell, Mass.	Preserved with a fluoride.
937 N	Harvard $1,000 Pure Beer.	Harvard Brewing Co., Lowell, Mass.	Preserved with a fluoride.
7246 L	Lager Beer.	Waldberg Brewery.	Preserved with a fluoride.
7208 L	Lager Beer.	Bartholomay Lager Beer, Rochester, N. Y.	Preserved with a fluoride.
7244 L	Lager Beer.	Narragansett Brewing Co., Providence, R. I.	Preserved with a fluoride.
7202 L	Cook's Cream Ale.	Mass. Breweries Co., Boston, Mass.	Preserved with a fluoride.
1207 N	Golden Ale.	Mass. Breweries Co., Boston, Mass.	Preserved with a fluoride.
7418 L	Extra Pale Ale.	Mass Breweries Co., Boston, Mass.	Preserved with a fluoride.
935 N	Gem Sparkling Ale.	Mass. Breweries Co., Boston, Mass.	Preserved with a fluoride.
7252 L	Robinson's India Pale Ale.	Mass. Breweries Co., Boston, Mass.	Preserved with a fluoride.
7430 L	Robinson's Pale Ale	Mass. Breweries Co., Boston, Mass.	Preserved with a fluoride.
1131 N	Imported Pilsner Beer.	August Luchow, N. Y., Agent.	Preserved with a fluoride.
7242 L	Lager Beer.	Wm. J. Lemp, St. Louis, Mo.	Preserved with a fluoride.
1205 L	W. A. Extra Pale Ale.	Wm. Albrecht, Boston, Mass.	Preserved with a fluoride.
7424 L	Canada Malt Ale.	Ballantine, Newark, N. J.	Preserved with a fluoride.
7144 L	U. S. Club Ginger Ale.	Puritan Carbonating Co, Millis, Mass.	Preserved with salicylic acid.
7354 L	Wheaton's Ginger Ale.	Hiram Wheaton & Sons, New Bedford, Mass.	Preserved with salicylic acid.
7356 L	Wheaton's Whaling City Punch.	Hiram Wheaton & Sons, New Bedford, Mass	Preserved with salicylic acid.
1171 N	Wheaton's Strawberry.	Hiram Wheaton & Sons, New Bedford, Mass.	Preserved with salicylic acid.
1173 N	Wheaton's Cream Soda.	Hiram Wheaton & Sons, New Bedford, Mass.	Preserved with salicylic acid.
A 87	Walker's Extract of Ginger.	Walker Chemical & Extract Co., Chelsea, Mass.	No ginger oil or resin in sample.
1083 N	Cuckoo Pure Rye Whiskey.	Rex Distilling Co., Boston, Mass.	Not pure whiskey. Contains sugar and artificial coloring matter.
651 N	Catsup.	T. A. Snider Conserve Co., Cincinnati, O.	Contains benzoic acid. No formula.
897 N	Maraschino Cherries.	A. L. Beattie & Co., 168 Commercial St., Boston, Mass.	Preserved with benzoic acid. Contained no maraschino. Colored with a coal tar dye.

NOTES.—During the month 277 dairies were inspected. These were situated in the following places: Ashland, Bellingham, Boylston, Cambridge, Everett, Franklin, Holliston, Hopkinton, Medway, Milford, Millis, Mendon, Norfolk, Shrewsbury, Upton.

A number of outbreaks of typhoid fever were investigated during the month and found to be due to specifically polluted milk. In one, which involved some 40 cases, it was discovered that nearly all of the patients were supplied by the same milkman. An investigation showed further that three of this person's family were then sick with the disease. In another, in which the number of cases amounted to about 50, the milkman (who was also the producer of the milk which he sold) had recently recovered from typhoid fever. An analysis of the water used by him for washing cans and other utensils and for general domestic purposes showed a degree of pollution so great that the water was comparable only to ordinary city sewage, except in the matter of appearance.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 16, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 37.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 16, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	593,598	188	58	59	9	26	..	8	..
Worcester,	127,763	47	10	9	4	6	..	2	..
Fall River,	105,697	36	21	19	2	1	..	2	..
Cambridge,	97,426	17	6	6	..	3	1	..	..
Lowell,	94,845	31	17	8	3	2	..	..	..
Lynn,	77,025	19	6	7	..	6	..	1	..
New Bedford,	74,321	23	6	10	..	4	1	1	..
Springfield,	73,484	13	4	3	..	1	..	1	..
Lawrence,	69,939	25	11	6	1	4	..	..	1
Somerville,	69,188	15	3	3	..	3	..	..	..
Holyoke,	49,124	23	13	4	1	1	..	..	..
Brockton,	47,782	8	..	3	..	1	..	..	..
Malden,	37,990	9	4	1	..	..	..	..	1
Haverhill,	37,818	7	..	1	..	1	..	..	..
Salem,	37,586	9	7	5	..	.	1	..	..
Chelsea,	37,277	12	8	3	1	1	..	1	..
Newton,	36,694	16	6	5	..	2	..	..	..
Fitchburg,	33,017	10	2	1	..	1	..	..	..
Taunton,	30,952	16	6	6	..	2	1	..	..
Everett,	29,108	6	1	1	..	..	1	..	..
Quincy,	28,067	9	2	3	..	1	..	..	..
Waltham,	26,239	4	..	..	..	..	..	..	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	5	..	1	1	..	..	..	..
Brookline,	23,424	6	1	..	..	..	..	..	..
North Adams,	22,125	7	4	4	..	..	1	..	..
Chicopee,	20,187	7	3	3	..	..	..	..	..
Northampton,	19,942	6	3	..	..	..	..	..	..
Medford,	19,638	7	1	2	..	1	..	1	..
Beverly,	15,222	3	1	..	..	..	..	..	..
Newburyport,	14,673	3	2	..	..	.	..	..	..
Hyde Park,	14,492	1	..	..	..	..	..	..	..
Woburn,	14,401	8	..	1	..	..	..	1	..
Melrose,	14,294	0	..	..	..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	..	..	..	..	..	..	..	..
Westfield,	13,609	6	3	..	..	..	..	..	..
Clinton,	13,105	5	2	1	..	..	..	1	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	2	..	..	..	..	..	..	..
Adams,	12,482	3	2	1	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	1	0	..	..	..	..	..	..
Weymouth,	11,585	7	2	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	3	..	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	3	3		..	..	..	..	..
Wakefield,	10,266	2	..	1	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,126,162	628	218	178	22	67	6	19	2

* NOTE.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and seventy-eight deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal meningitis, 2; diphtheria and croup, 6; typhoid fever, 19; diarrhœal diseases, 84; whooping-cough, 2.

No deaths were reported from scarlet fever, malarial fever, puerperal fever, erysipelas or small-pox.

There were 67 deaths from consumption, acute lung diseases, 22, still-births, 48.

From measles: Boston, 1. From cerebro-spinal meningitis: Lawrence, 1; Malden, 1. From diphtheria and croup: Cambridge, New Bedford, Salem, Taunton, Everett and North Adams, 1 each. From whooping cough: Boston and Worcester, 1 each. From typhoid fever: Boston, 8; Worcester, 2; Fall River, 2; Lynn, New Bedford, Springfield, Chelsea, Medford, Woburn and Clinton, 1 each.

Deaths under five years of age numbered 218, as compared with 251 for the preceding week.

Deaths from the principal infectious diseases numbered 178, as compared with 177 for the preceding week.

The death rates for the week were: Boston, 16.47; Worcester, 19.13; Fall River, 17.71; Cambridge, 9.07; Lowell, 17.00; Lynn, 12.83; New Bedford, 16.09; Springfield, 9.20; Lawrence, 18.59; Somerville, 11.27; Holyoke, 24.35; Brockton, 8.71; Malden, 12.32; Haverhill, 9.63; Salem, 12.45; Chelsea, 16.74; Newton, 22.67; Fitchburg, 15.75; Taunton, 26.88; Everett, 10.72; Quincy, 16.67; Waltham, 7.93; Gloucester, ——; Pittsfield, 10.40; Brookline, 13.32; North Adams, 16.45; Chicopee, 18.03; Northampton, 15.65; Medford, 18.54; Beverly, 10.25; Newburyport, 10.63; Hyde Park, 3.59; Woburn, 28.89; Melrose, ——; Leominster, ——; Marlborough, ——; Westfield, 22.93; Clinton, 19.84; Peabody, ——; Attleborough, ——; Revere, 8.22; Adams, 12.50; Milford, ——; Gardner, 4.34; Weymouth, 31.42; Framingham, ——; Watertown, 13.93; Plymouth, ——; Southbridge, 14.25; Wakefield, 10.13.

The total death rate for the week was 15.35, as compared with 15.64 and 15.72 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 16, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	39	Typhoid fever,	179
Diphtheria and croup,	80	Measles,	21
Small-pox,	1	Cerebro-spinal meningitis,	

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Sept. 16, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 10,	30.20	67	76	58	70	72	71	N. W.	S. W.	2	12	C.	C.		0.00
Monday, 11,	30.12	68	74	61	77	87	82	S. W.	S.	6	10	F.	O.		T
Tuesday, 12,	29.96	62	64	59	89	100	94	S. E.	E.	20	3	O.	C.		0.17
Wednesday, 13,	29.93	62	73	52	92	71	81	N.	N. W.	10	27	O.	O.		0.00
Thursday, 14,	30.32	53	61	45	61	51	56	N.	N.	13	8	C.	C.		0.00
Friday, 15,	30.40	52	59	45	71	73	72	N.	S. E.	3	12	O.	F.		0.00
Saturday, 16,	30.28	59	65	53	72	84	78	S.	S. W.	9	6	O.	O.		T
Week,	30.17		67	53			76								0.17

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

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OF

MASSACHUSETTS

FOR THE

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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 23, 1905.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	593,598	200	74	55	15	18	2	8	..
Worcester,	127,763	39	18	12	..	1	..	4	2
Fall River,	105,697	25	15	11	2	3	..	..	..
Cambridge,	97,426	31	14	7	2	..	2	1	..
Lowell,	94,845	37	15	4	3	2	1	.	..
Lynn,	77,025	26	14	7	..	2	..	1	..
New Bedford,	74,321	25	14	7	2	1	1	..	..
Springfield,	73,484	23	4	3	..	2	1	..	..
Lawrence,	69,939	29	14	10	4	..	..	..	..
Somerville,	69,188	13	3	1	..	..	1	..	..
Holyoke,	49,124	13	5	4	..	..	..	..	..
Brockton,	47,782	12	4	3	..	3	..	..	..
Malden,	37,990	8	3	2	..	2	..	..	..
Haverhill,	37,818	8	1	2	..	1	..	1	..
Salem,	37,586	19	11	2	..	1	..	1	..
Chelsea,	37,277	18	9	3	1	2	..	1	..
Newton,	36,694	9	3	2	2	..	..	1	..
Fitchburg,	33,017	17	7	3	2	2	..	1	..
Taunton,	30,952	16	3	6	..	3	..	1	..
Everett,	29,108	8	4	1	..	1	..	..	..
Quincy,	28,067	8	3	4	1	1	..	..	..
Waltham,	26,239	5	2	1	..	..	..	1	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	8	2	2	2	..	..	1	..
Brookline,	23,424	7	1	3	..	3	..	..	..
North Adams,	22,125	6	0	2	..	..	..	..	..
Chicopee,	20,187	7	6	3	1	..	..	..	..
Northampton,	19,942	4	3	..	..	..	..	..	..
Medford,	19,638	2	..	1	..	1	.	..	..
Beverly,	15,222	4	1	.	1	..	..	..	..
Newburyport,	14,673	6	2	..	..	.	..	..	..
Hyde Park,	14,492	4	2	..	..	..	..	..	..
Woburn,	14,401	6	1	3	..	..	..	2	..
Melrose,	14,294	6	2	..	..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	..	..	..	..	..	..	..	..
Westfield,	13,609	10	5	2	..	1	..	1	..
Clinton,	13,105	4	1	1	..	..	..	1	..
Peabody,	13,097	..	..	..	..	.	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	5	2	1	..	1	..	..	..
Adams,	12,482	4	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	2	1	..	..	..	..	..	..
Weymouth,	11,585	3	1	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	2	0	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	2	2	1	..	..	..	..	..
Wakefield,	10,266	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,115,896	681	272	169	38	51	8	26	2

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and seventy-one deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 2; diphtheria and croup, 8; typhoid fever, 26; diarrhœal diseases, 80; whooping-cough, 3; puerperal fever, 1.

No deaths were reported from small-pox, measles, erysipelas, scarlet fever, malarial fever or influenza.

There were 51 deaths from consumption, acute lung diseases, 38, still-births, 43.

From cerebro-spinal meningitis: Worcester, 2. From diphtheria and croup: Boston, 2; Lynn, 2; Lowell, New Bedford, Springfield and Somerville, 1 each. From whooping cough: Boston, 2; Pittsfield, 1. From typhoid fever: Boston, 8; Worcester, 4; Woburn, 2; Cambridge, Lynn, Haverhill, Salem, Chelsea, Newton, Fitchburg, Taunton, Waltham, Pittsfield, Clinton and Westfield, 1 each.

Deaths under five years of age numbered 272, as compared with 218 for the preceding week.

Deaths from the principal infectious diseases numbered 171, as compared with 178 for the preceding week.

The death rates for the week were: Boston, 17.52; Worcester, 15.87; Fall River, 12.30; Cambridge, 16.55; Lowell, 20.29; Lynn, 17.55; New Bedford, 17.49; Springfield, 16.28; Lawrence, 21.56; Somerville, 9.77; Holyoke, 13.76; Brockton 13.06; Malden, 10.95; Haverhill, 11.00; Salem, 26.29; Chelsea, 25.11; Newton, 12.75; Fitchburg, 26.77; Taunton, 26.88; Everett, 14.29; Quincy, 14.82; Waltham, 9.91; Gloucester, ——; Pittsfield, 16.64; Brookline, 15.54; North Adams, 14.10; Chicopee, 18.03; Northampton, 10.43; Medford, 5.30; Beverly, 13.66; Newburyport, 21.26; Hyde Park, 14.35; Woburn, 21.67; Melrose, 21.83; Leominster, ——; Marlborough, ——; Westfield, 38.21; Clinton, 15.87; Peabody, ——; Attleborough, ——; Revere, 20.56; Adams, 16.66; Milford, ——; Gardner, 8.68; Weymouth, 13.47; Framingham, ——; Watertown, 9.28; Plymouth, ——; Southbridge, 9.50; Wakefield, ——.

The total death rate for the week was 16.74, as compared with 15.35 and 15.64 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 23, 1905.

(Under the Provisions of section 32 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	44	Typhoid fever,	179
Diphtheria and croup,	100	Measles,	31
Small-pox,	0	Cerebro-spinal meningitis,	1

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Sept. 23, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 17,	30.27	64	69	59	87	79	83	S.	S. E.	4	14	O.	O.		0.01
Monday, . . 18,	30.19	62	64	59	81	96	88	S. E.	E.	6	1	O.	R.		0.02
Tuesday, . . 19,	30.10	62	64	60	97	94	96	N.	N.	10	7	O.	O.		0.19
Wednesday, . 20,	29.98	66	72	61	94	90	92	S.	S. W.	6	9	O.	O.		T
Thursday, . . 21,	29.95	67	76	58	84	64	74	N. W.	S. W.	6	9	F.	C.		0.00
Friday, . . 22,	29.86	70	81	59	79	59	69	W.	S. W.	11	8	C.	C.		0.00
Saturday, . . 23,	29.89	62	72	53	67	57	62	W.	N. W.	12	7	C.	C.		0.00
Week, . . .	30.03		71	58			81								0.22

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 30, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 39.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 30, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	593,598	187	51	44	16	24	1	5	3
Worcester,	127,763	31	12	7	1	..	..	1	1
Fall River,	105,697	31	17	14	2	2	1	..	..
Cambridge,	97,426	34	8	11	5	9	..	..	..
Lowell,	94,845	21	10	4	2	1	..	1	..
Lynn,	77,025	24	7	4	1	2	..	1	1
New Bedford,	74,321	16	10	6	1	1	..	..	..
Springfield,	73,484	18	3	4	..	3	..	1	..
Lawrence,	69,939	25	10	8	2	4	..	..	..
Somerville,	69,188	14	9	2	2	2	..	..	..
Holyoke,	49,124	18	11	4	2	3	1	..	..
Brockton,	47,782	7	2	..	..	..	..	..	..
Malden,	37,990	5	1	..	1	..	..	..	..
Haverhill,	37,818	14	3	..	1	..	..	..	..
Salem,	37,586	8	4	..	..	..	..	..	..
Chelsea,	37,277	14	6	..	2	..	..	..	..
Newton,	36,694	11	1	2	..	1	1	..	..
Fitchburg,	33,017	10	6	..	..	..	..	..	..
Taunton,	30,952	8	2	1	..	..	..	..	..
Everett,	29,108	9	3	2	..	1	1	..	..
Quincy,	28,067	10	1	2	..	..	1	1	..
Waltham,	26,239	6	2	3	..	..	..	3	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	6	4	2	1	..	..	..	1
Brookline,	23,424	3	2	..	..	..	..	..	..
North Adams,	22,125	7	0	1	..	1	..	..	..
Chicopee,	20,187	5	3	1	..	..	1	..	..
Northampton,	19,942	10	1	2	..	2	..	..	..
Medford,	19,638	5	..	..	1	..	..	..	..
Beverly,	15,222	7	1	..	..	..	..	..	..
Newburyport,	14,673	8	1	2	..	..	..	2	..
Hyde Park,	14,492	8	3	3	..	3	..	..	..
Woburn,	14,401	4	2	..	1	..	..	..	..
Melrose,	14,294	2	1	..	..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	1	0	..	..	..	..	..	..
Westfield,	13,609	4	..	..	..	..	..	..	..
Clinton,	13,105	6	4	1	..	..	..	1	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	3	2	1	..	1	..	..	..
Adams,	12,482	3	2	2	1	..	..	1	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	4	2	..	..	..	..	..	..
Weymouth,	11,585	..	..	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	2	1	1	..	1	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	10	4	7	1	1	1	..	..
Wakefield,	10,266	2	..	1	1	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,128,649	621	212	142	44	63	8	17	6

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and forty-two deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 6; diphtheria and croup, 8; typhoid fever, 17; diarrhœal diseases, 47; erysipelas, 1.

No deaths were reported from measles, whooping-cough, scarlet fever, malarial fever, puerperal fever or small-pox.

There were 63 deaths from consumption, acute lung diseases, 44, still-births, 43.

From cerebro-spinal meningitis: Boston, 3; Worcester, Lynn and Pittsfield, 1 each. From diphtheria and croup: Boston, Fall River, Holyoke, Newton, Everett, Quincy, Chicopee and Southbridge, 1 each. From erysipelas: Boston, 1. From typhoid fever: Boston, 5; Worcester, Lowell, Lynn, Springfield, Quincy, Clinton and Adams, 1 each; Waltham, 3; Newburyport, 2.

Deaths under five years of age numbered 212, as compared with 272 for the preceding week.

Deaths from the principal infectious diseases numbered 142, as compared with 171 for the preceding week.

The death rates for the week were: Boston, 16.38; Worcester, 12.62; Fall River, 15.25; Cambridge, 18.15; Lowell, 11.51; Lynn, 16.20; New Bedford, 11.19; Springfield, 12.74; Lawrence, 18.59; Somerville, 10.52; Holyoke, 19.05; Brockton, 7.62; Malden, 6.84; Haverhill, 19.25; Salem, 11.07; Chelsea, 19.53; Newton, 15.59; Fitchburg, 15.75; Taunton, 13.44; Everett, 16.08; Quincy, 18.53; Waltham, 11.89; Gloucester, ——; Pittsfield, 12.48; Brookline, 6.66; North Adams, 16.45; Chicopee, 12.88; Northampton, 26.08; Medford, 13.24; Beverly, 23.91; Newburyport, 28.35; Hyde Park, 28.71; Woburn, 14.44; Melrose, 7.28; Leominster, ——; Marlborough, 3.70; Westfield, 15.28; Clinton, 23.81; Peabody, ——; Attleborough, ——; Revere, 12.33; Adams, 12.50; Milford. ——; Gardner, 17.36; Weymouth, ——; Framingham, ——; Watertown, 9.28; Plymouth, ——; Southbridge, 47.50; Wakefield, 10.13.

The total death rate for the week was 15.17, as compared with 16.74 and 15.35 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 30, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	61	Typhoid fever,	180
Diphtheria and croup,	107	Measles,	23
Small-pox,	0	Cerebro-spinal meningitis,	0

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, Sept. 30, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 24,	29.95	58	68	48	61	68		64	W.	S. W.	8	12		C.	F.			0.00
Monday, . . 25,	29.89	53	60	46	58	58		58	N. W.	W.	24	12		C.	C.			0.00
Tuesday, . . 26,	30.07	49	56	42	58	60		59	N. W.	N. W.	18	8		C.	C.			0.00
Wednesday, . 27,	30.01	52	62	41	54	65		60	S. W.	W.	5	8		O.	C.			T
Thursday, . . 28,	29.96	62	75	50	67	61		64	W.	W.	8	8		C.	C.			0.00
Friday, . . 29,	30.14	56	60	52	76	80		78	N.	S. E.	4	11		C.	C.			0.00
Saturday, . . 30,	30.10	60	66	55	80	91		86	S. W.	N. E.	8	7		O.	O.			0.00
Week, . . .	30.02		64	48				67										0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 7, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

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Boston,	593,598	196	65	48	20	23	1	5	4
Worcester,	127,763	35	15	4	7	..	..	..	..
Fall River,	105,697	39	24	13	3	4	..	1	..
Cambridge,	97,426	31	10	7	2	5	..	1	..
Lowell,	94,845	45	21	7	5	4	1	..	1
Lynn,	77,025	28	6	6	1	2	..	1	..
New Bedford,	74,321	21	6	5	..	3	..	..	..
Springfield,	73,484	16	2	2	2	2	..	..	..
Lawrence,	69,939	16	9	4	1	..	..	..	..
Somerville,	69,188	16	4	2	2	2	..	..	..
Holyoke,	49,124	10	5	4	1	..	..	..	..
Brockton,	47,782	14	8	4	..	1	..	..	3
Malden,	37,990	8	3	..	1	..	..	..	..
Haverhill,	37,818	11	2	2	1	2	..	..	..
Salem,	37,586	13	5	3	2	1	2	..	..
Chelsea,	37,277	14	8	..	..	..	..	..	..
Newton,	36,694	9	..	1	..	..	..	1	..
Fitchburg,	33,017	6	1	..	1	..	..	..	..
Taunton,	30,952	11	8	4	1	..	..	..	..
Everett,	29,108	8	2	2	..	2	..	..	..
Quincy,	28,067	7	..	1	1	..	..	..	..
Waltham,	26,239	5	1	3	..	..	..	2	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	7	2	2	..	2	..	..	..
Brookline,	23,424	..	..	..	..	..	..	..	..
North Adams,	22,125	3	1	1	..	1	..	..	..
Chicopee,	20,187	6	1	2	1	1	1	..	..
Northampton,	19,942	5	2	..	..	..	..	..	..
Medford,	19,638	10	3	..	2	..	..	..	..
Beverly,	15,222	7	1	2	..	1	1	..	..
Newburyport,	14,673	4	1	1	..	1	..	..	..
Hyde Park,	14,492	5	0	..	..	..	..	..	..
Woburn,	14,401	0	..	..	..	..	..	..	..
Melrose,	14,294	3	1	..	..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	2	1	1	1	..	..	1	..
Westfield,	13,609	2	1	..	..	..	..	..	..
Clinton,	13,105	3	0	..	..	..	..	..	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	..	..	..	..	..	..	..	..
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	2	1	1	..	1	..	..	..
Weymouth,	11,585	3	1	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	4	1	3	..	2	1	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	1	1	1	..	1	..	..	..
Wakefield,	10,266	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,081,415	626	223	136	55	61	7	12	8

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and thirty-six deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 8; diphtheria and croup, 7; typhoid fever, 12; diarrhœal diseases, 45; whooping-cough, 3.

No deaths were reported from measles, scarlet fever, malarial fever, puerperal fever, erysipelas or small-pox.

There were 61 deaths from consumption, acute lung diseases, 55, still-births, 45.

From cerebro-spinal meningitis: Boston, 4; Brockton, 3; Lowell, 1. From diphtheria and croup: Salem, 2; Boston, Lowell, Chicopee, Beverly and Watertown, 1 each. From whooping-cough: Boston, New Bedford and Taunton 1 each. From typhoid fever: Boston, 5; Waltham, 2; Fall River, Cambridge, Lynn, Newton and Marlborough, 1 each.

Deaths under five years of age numbered 223, as compared with 212 for the preceding week.

Deaths from the principal infectious diseases numbered 136, as compared with 142 for the preceding week.

The death rates for the week were: Boston, 17.17; Worcester, 14.25; Fall River, 19.19; Cambridge, 16.55; Lowell, 24.67; Lynn, 18.90; New Bedford, 14.69; Springfield, 11.32; Lawrence, 11.90; Somerville, 12.02; Holyoke, 10.59; Brockton, 15.24; Malden, 10.95; Haverhill, 15.13; Salem, 17.99; Chelsea, 19.53; Newton, 12.75; Fitchburg, 9.45; Taunton, 18.48; Everett, 14.29; Quincy, 12.97; Waltham, 9.91; Gloucester, ——; Pittsfield, 14.56; Brookline, ——; North Adams, 7.05; Chicopee, 15.46; Northampton, 13.04; Medford, 26.48; Beverly, 23.91; Newburyport, 14.18; Hyde Park, 17.94; Woburn, ——; Melrose, 10.91; Leominster, ——; Marlborough, 7.39; Westfield, 7.64; Clinton, 11.90; Peabody, ——; Attleborough, ——; Revere, ——; Adams, ——; Milford, ——; Gardner, 8.68; Weymouth, 13.47; Framingham, ——; Watertown, 18.57; Plymouth, ——; Southbridge, 4.75; Wakefield, ——.

The total death rate for the week was 15.64, as compared with 15.17 and 16.74 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 7, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	80	Typhoid fever,	134
Diphtheria and croup,	123	Measles,	33
Small-pox,	0	Cerebro-spinal meningitis,	5

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Oct. 7, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 1,	30.16	58	60	55	91	82	86	N. E.	S. E.	4	8	O.	C.		0.00
Monday, 2,	30.12	60	65	55	94	87	91	S. W.	S. W.	6	12	O.	O.		0.00
Tuesday, 3,	29.92	65	74	56	95	60	78	W.	W.	7	8	O.	C.		0.05
Wednesday, 4,	29.82	66	77	55	62	50	56	W.	W.	10	7	F.	C.		0.00
Thursday, 5,	29.80	68	80	57	58	38	48	S. W.	N. W.	12	12	C.	C.		0.00
Friday, 6,	30.20	52	58	45	51	49	50	N.	N.	15	8	C.	C.		0.00
Saturday, 7,	30.32	50	59	41	66	61	64	N. W.	S. W.	6	11	C.	C.		0.00
Week,	30.05		68	52			68								0.05

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 14, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 41.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D.. Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 14, 1905.

Deaths reported to the State Board of Health in 42 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	593,598	199	52	38	19	22	2	4	..
Worcester,	127,763	30	8	4	4	1	..	2	..
Fall River,	105,697	23	9	10	1	1	..	1	..
Cambridge,	97,426	25	7	4	2	1	1	..	1
Lowell,	94,845	34	13	6	3	3	..	1	..
Lynn,	77,025	29	8	4	..	2	..	2	..
New Bedford,	74,321	16	10	1	3	..	..	1	..
Springfield,	73,484	17	4	1	3	..	1	..	..
Lawrence,	69,939	18	8	6	3	1	1	..	..
Somerville,	69,188	16	4	3	3	..	1	..	..
Holyoke,	49,124	16	9	5	..	3	..	..	..
Brockton,	47,782	11	3	2	..	1	..	..	1
Malden,	37,990	9	4	2	2	1	1	..	..
Haverhill,	37,818	7	3	1	..	1	..	..	..
Salem,	37,586	18	15	2	..	..	..	2	..
Chelsea,	37,277	17	7	4	3	2	..	1	..
Newton,	36,694	5	1	1	1	..	..	..	..
Fitchburg,	33,017	5	..	1	..	..	..	..	..
Taunton,	30,952	14	3	2	2	..	..	..	..
Everett,	29,108	7	3	2	..	..	1	1	..
Quincy,	28,067	14	4	6	..	5	1	..	..
Waltham,	26,239	2	..	2	..	..	1	1	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	6	1	..	..	..	..	..	..
Brookline,	23,424	8	2	2	..	1	..	..	1
North Adams,	22,125	7	1	1	..	1	..	..	..
Chicopee,	20,187	8	4	2	1	..	1	..	..
Northampton,	19,942	..	..	..	..	..	.	..	..
Medford,	19,638	3	..	..	..	.	..	..	..
Beverly,	15,222	3	..	1	..	..	..	1	..
Newburyport,	14,673	9	1	1	1	..	..	1	..
Hyde Park,	14,492	3	2	2	..	1	..	..	..
Woburn,	14,401	6	1	3	..	3	..	..	..
Melrose,	14,294	4	2	..	..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	4	2	..	..	..	..	..	..
Westfield,	13,609	5	3	2	2	1	..	..	..
Clinton,	13,105	11	4	..	3	..	..	..	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	1	..	..	..	..	..	..	..
Adams,	12,482	4	4	1	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	2	1	1	..	..	..	..	1
Weymouth,	11,585	3	1	1	..	1	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	4	2	..	1	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	3	2	2	..	..	..	..	..
Wakefield,	10,266	1	..	1	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,120,292	627	208	127	57	53	11	18	4

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 42 Cities and Larger Towns of Massachusetts.

One hundred and twenty-seven deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 1; cerebro-spinal meningitis, 4; diphtheria and croup, 11; typhoid fever, 18; diarrhœal diseases, 35; whooping-cough, 2; erysipelas, 1.

No deaths were reported from influenza, malarial fever, puerperal fever or small-pox.

There were 53 deaths from consumption, acute lung diseases, 57, still-births, 47.

From measles: Cambridge, 1. From scarlet fever: Westfield, 1. From cerebro-spinal meningitis: Cambridge, Brockton, Brookline and Gardner, 1 each. From diphtheria and croup: Boston, 2; Cambridge, Lawrence, Springfield, Somerville, Malden, Everett, Quincy, Waltham and Chicopee, 1 each. From whooping-cough: Fall River and Fitchburg, 1 each. From erysipelas: Boston, 1. From typhoid fever: Boston, 4; Worcester, Lynn and Salem, 2 each; Fall River, Lowell, New Bedford, Chelsea, Everett, Waltham, Newburyport and Beverly, 1 each.

Deaths under five years of age numbered 208, as compared with 223 for the preceding week.

Deaths from the principal infectious diseases numbered 127, as compared with 136 for the preceding week.

The death rates for the week were: Boston, 17.43; Worcester, 12.21; Fall River, 11.32; Cambridge, 13.34; Lowell, 18.64; Lynn, 19.58; New Bedford, 11.19; Springfield, 12.03; Lawrence, 13.38; Somerville, 12.02; Holyoke, 16.94; Brockton, 11.97; Malden, 12.32; Haverhill, 9.63; Salem, 24.90; Chelsea, 23.71; Newton, 7.09; Fitchburg, 7.87; Taunton, 23.52; Everett, 12.51; Quincy, 25.94; Waltham, 3.96; Gloucester, ——; Pittsfield, 12.48; Brookline, 17.76; North Adams, 16.45; Chicopee, 20.61; Northampton, ——; Medford, 7.94; Beverly, 10.25; Newburyport, 31.90; Hyde Park, 10.76; Woburn, 21.67; Melrose, 14.55; Leominster, ——; Marlborough, 14.78; Westfield, 19.11; Clinton, 43.65; Peabody, ——; Attleborough, ——; Revere, 4.11; Adams, 16.66; Milford, ——; Gardner, 8.68; Weymouth, 13.47; Framingham, ——; Watertown, 18.57; Plymouth, ——; Southbridge, 14.25; Wakefield, 5.07.

The total death rate for the week was 15.38, as compared with 15.64 and 15.17 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 14, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	60	Typhoid fever,	103
Diphtheria and croup,	144	Measles,	47
Small-pox,	1	Cerebro-spinal meningitis,	4

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, Oct. 14, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 8,	30.06	60	75	46	71	48	60	S. W.	S. W.	10	12		C.	C.			0.00
Monday, 9,	30.06	62	69	54	57	74	66	N. W.	E.	10	6		C.	C.			0.00
Tuesday, 10,	30.22	50	55	46	69	72	70	N. E.	E.	6	10		C.	C.			0.00
Wednesday, 11,	29.98	52	56	48	72	83	78	S. E.	S. E.	8	15		O.	O.			T
Thursday, 12,	29.64	52	60	44	74	64	69	S. W.	W.	14	12		C.	C.			0.13
Friday, 13,	29.96	50	57	42	64	52	58	W.	S. W.	12	11		C.	C.			0.00
Saturday, 14,	30.22	58	68	49	62	46	54	W.	W.	11	7		C.	F.			0.00
Week,	30.02		63	47			65										0.13

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of September, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	103	24	127	Lemon Extract,	2	. .	2
Butter,	8	. .	8	Malt Liquors,	21	5	26
Condensed Milk,	1	. .	1	Temperance Drinks,	6	1	7
Meat Products,	3	. .	3	Cocoa and Chocolate,	1	. .	1
Spices,	18	1	19	Confectionery,	1	. .	1
Cream of Tartar,	5	. .	5	Miscellaneous,	4	2	6
Maple Syrup,	2	. .	2	Drugs,	38	11	49
Maple Sugar,	1	. .	1				
				Totals,	214	44	258

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Twenty-one convictions were secured during the month for selling adulterated foods, as follows: —

No.	Name of Defendant.	Place.	Character of Article Sold.
1	George T. Parker,	New Bedford,	Milk.
2	Benj. F. Brownell,	New Bedford,	Milk.
3	Wm. L. Chadwick,	New Bedford,	Milk.
4	Arthur C. Wheaton,	New Bedford,	Ginger Ale.
5	William Albrecht,	Boston,	Ale.
6	William Albrecht,	Boston,	Ale.
7	William Albrecht,	Boston,	Beer.
8	Waldberg Brewing Co.,	Boston,	Beer.
9	James H. Folkins,	Chelsea,	Lime Juice.
10	C. Frank Hurley,	Boston,	Lime Juice.
11	Daniel E. Tilton,	Newburyport,	Ginger Ale.
12	William P. Sheldon,	Malden,	Tincture of Iodine.
13	Ernest R. Houghton,*	Grafton,	Milk.
14	James L. Humphrey, Jr.,	New Bedford,	Cream.
15	Philip R. Howes,	Provincetown,	Milk.
16	Duncan Matherson,	Provincetown,	Strawberry Tonic.
17	Duncan Matherson,	Provincetown,	Cream Soda.
18	Edward E. Davis,	Cambridge,	Strawberry Jam.
19	Chas. C. Davis,	Cambridge,	Strawberry Jam.
20	William F. Marshall,	Gloucester,	Milk.
21	Albert J. Gibson,	North Adams,	Extract of Lemon.

* Appealed.

Fines imposed, $878.00.

The samples of drugs found to be adulterated were: Calx Chlorata, Oleum Limonis, Oleum Olivæ, Sulphur Praecipitatum and Tinctura Iodi.

Cities and towns in which samples of food were collected were: Boston, Sudbury, Newburyport, New Bedford, Attleborough, Grafton, Worcester, Lynn, Providence, R.I., Westborough, Lawrence, Springfield, Cambridge, Mansfield, Southbridge, Gloucester, Webster, Salem and Newton.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of September, 1905.

Number of Sample.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
1221 N	Ale.	Ballantine's Canada Malt Ale, Newark, N. J.,	Preserved with a fluoride.
1223 N	Beer.	Ballantine's Export Beer, Newark, N J.,	Preserved with a fluoride.
7526 L	Beer.	Ehret's N.Y. Lager, Jacob Wirth, Boston,	Preserved with a fluoride.
941 N	Strawberry Jam.	Curtice Brothers, Rochester, N. Y.,	Preserved with benzoic acid.
7272 L	Lime Juice.	Walker Chemical Co., Chelsea, Mass.,	59% added water, preserved with salicylic and sulphurous acids.
7548 L	Milk.	Ernest R. Houghton, Grafton, Mass.,	9.82% of total solids.
7550			9.34% of total solids.
7552			9.76% of total solids.
7554			9.87% of total solids.
7556			9.80% of total solids.
7558			9.82% of total solids.
			All these samples contained added water.
1309 N	Milk.	W. F. Marshall, West Gloucester, Mass.,	10.31% of total solids. Contained added water.
1359 N	Olive Oil.	Levasseur's Pharmacy, Worcester, Mass.,	50% sesame oil.

NOTES.—During the month 115 dairies were inspected. These were situated in the following places: Attleborough, Burlington, Ipswich, Luneuburg, Longmeadow, Feeding Hills (Agawam), Mendon, Milford, Randolph, Southwick, Springfield, Tyngsboro, West Boylston, Westfield, Westford, Winchester, Woburn, Enfield, Conn., and Suffield, Conn.

The investigation of outbreaks of typhoid fever in several localities has been continued during the month. Three of the smaller epidemics were traceable to infected milk. In one of the larger, fruits and vegetables infected by contact were probably an important factor in the spread of the disease.

The study of some of the lesser epidemics is still in progress.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 21, 1905.

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VOL. XXIII. No. 42.

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MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 21, 1905.

Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

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CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	593,598	179	43	44	8	21	..	5	1
Worcester,	127,763	43	12	7	2	..	..	3	2
Fall River,	105,697	37	20	17	3	1	2	..	..
Cambridge,	97,426	23	10	3	4	1	..	..	..
Lowell,	94,845	29	10	5	5	2	1	..	..
Lynn,	77,025	19	8	5	..	2	1	2	..
New Bedford,	74,321	10	4	2	..	..	2	..	..
Springfield,	73,484	19	3	4	..	4	..	..	..
Lawrence,	69,939	25	13	5	2	3	..	..	..
Somerville,	69,188	13	1	5	2	2	1	..	..
Holyoke,	49,124	15	4	6	..	3	..	..	1
Brockton,	47,782	9	0	2	..	2	..	..	..
Malden,	37,990	8	4	..	1	..	..	..	..
Haverhill,	37,818	16	3	4	4	1	2	..	..
Salem,	37,586	10	2	1	..	..	..	..	..
Chelsea,	37,277	15	6	1	2	..	..	..	1
Newton,	36,694	16	2	1	1	..	..	1	..
Fitchburg,	33,017	2	1	..	..	..	..	..	..
Taunton,	30,952	11	2	3	2	2	..	..	..
Everett,	29,108	10	4	1	..	1	..	..	..
Quincy,	28,067	4	..	..	1	..	..	..	..
Waltham,	26,239	3	..	1	..	..	..	1	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	7	1	2	..	1	..	..	..
Brookline,	23,424	4	..	..	..	..	..	..	..
North Adams,	22,125	5	2	..	..	..	..	..	..
Chicopee,	20,187	5	2	1	..	1	..	..	..
Northampton,	19,942	6	1	1	..	..	1	..	..
Medford,	19,638	5	1	..	2	..	..	..	..
Beverly,	15,222	10	..	1	1	1	..	..	..
Newburyport,	14,673	6	0	2	..	2	..	..	..
Hyde Park,	14,492	2	0	..	..	..	..	..	..
Woburn,	14,401	4	2	..	..	..	..	..	..
Melrose,	14,294	6	2	1	..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	1	0	..	..	..	..	..	..
Westfield,	13,609	0	..	..	..	..	..	..	..
Clinton,	13,105	1	1	..	..	..	..	..	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	5	2	2	1	1	..	..	1
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	..	..	..	..	..	..	..	..
Weymouth,	11,585	5	0	1	..	1	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	2	2	1	..	..	1	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	4	2	..	..	..	..	..	..
Wakefield,	10,266	3	1	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,115,771	597	171	129	42	52	11	12	6

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 41 Cities and Larger Towns of Massachusetts.

One hundred and twenty-nine deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 1; erysipelas, 1; cerebro-spinal meningitis, 6; diphtheria and croup, 11; typhoid fever, 12; diarrhœal diseases, 41; whooping-cough, 4.

No deaths were reported from malarial fever, puerperal fever, influenza or small-pox.

There were 52 deaths from consumption, acute lung diseases, 42, still-births, 36.

From measles: Boston, 1. From scarlet fever: Worcester, 1. From cerebro-spinal meningitis: Boston, 1; Worcester, 2; Holyoke, 1; Chelsea, 1; Revere, 1. From whooping-cough: Boston, 2; Lowell, 1; Cambridge, 1. From erysipelas: Pittsfield, 1. From typhoid fever: Boston, 5; Worcester, 3; Lynn, 2; Newton, 1; Waltham, 1. From diphtheria and croup: Fall River, New Bedford and Haverhill, 2 each; Lowell, Lynn, Somerville, Northampton and Watertown, 1 each.

Deaths under five years of age numbered 171, as compared with 208 for the preceding week.

Deaths from the principal infectious diseases numbered 129, as compared with 127 for the preceding week.

The death rates for the week were: Boston, 15.68; Worcester, 17.50; Fall River, 18.20; Cambridge, 12.28; Lowell, 15.90; Lynn, 12.83; New Bedford, 7.00; Springfield, 13.45; Lawrence, 18.59; Somerville, 9.77; Holyoke, 15.88; Brockton, 9.79; Malden, 10.95; Haverhill, 22.00; Salem, 13.83; Chelsea, 20.92; Newton, 22.67; Fitchburg, 3.15; Taunton, 18.48; Everett, 17.86; Quincy, 7.41; Waltham, 5.95; Gloucester, ——; Pittsfield, 14.56; Brookline, 8.88; North Adams, 11.75; Chicopee, 12.88; Northampton, 15.65; Medford, 13.24; Beverly, 34.16; Newburyport, 21.26; Hyde Park, 7.18; Woburn, 14.44; Melrose, 21.83; Leominster, ——; Marlborough, 3.70; Westfield, ——; Clinton, 3.97; Peabody, ——; Attleborough, ——; Revere, 20.56; Adams, ——; Milford, ——; Gardner, ——; Weymouth, 22.44; Framingham, ——; Watertown, 9.28; Plymouth, ——; Southbridge, 19.00; Wakefield, 15.20.

The total death rate for the week was 14.67, as compared with 15.38 and 15.64 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 21, 1905.

(Under the Provisions of section 32 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	68	Typhoid fever,	149
Diphtheria and croup,	167	Measles,	82
Small-pox,	0	Cerebro-spinal meningitis,	1

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.				DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Oct. 21, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 15,	30.23	64	77	50	66	62		64	S. W.	S. W.	3	14	F.	F.		0.00
Monday, 16,	30.10	67	78	56	86	47		66	S. W.	W.	12	17	F.	C.		0.00
Tuesday, 17,	30.32	58	66	50	63	60		62	W.	S. W.	7	5	C.	C.		0.00
Wednesday, 18,	30.20	58	70	47	76	79		78	S. W.	S. W.	5	14	F.	O.		0.00
Thursday, 19,	29.96	70	75	64	81	69		75	W.	S. W.	10	6	O.	O.		0.09
Friday, 20,	29.70	56	60	52	94	94		94	N.	S. W.	9	16	R.	O.		0.55
Saturday, 21,	29.91	45	52	39	61	52		56	W.	W.	24	12	C.	C.		0.00
Week,	30.06		68	51				71								0.64

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 28, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 43.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 28, 1905.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Cerebro-spinal Meningitis.
Boston,	593,598	182	64	29	18	18	1	4	..
Worcester,	127,763	28	13	6	1	..	..	1	..
Fall River,	105,697	23	12	9	2	2	..	..	..
Cambridge,	97,426	20	8	5	1	1	..	1	..
Lowell,	94,845	30	10	4	2	2	..	..	..
Lynn,	77,025	23	5	2	..	1	1	..	..
New Bedford,	74,321	25	14	10	3	2	1	..	..
Springfield,	73,484	8	..	2	..	1	..	1	..
Lawrence,	69,939	21	11	5	4	1	1	..	1
Somerville,	69,188	18	5	5	2	2	..	1	..
Holyoke,	49,124	14	4	1	5	..	..	..	..
Brockton,	47,782	8	1	1	..	1	..	..	..
Malden,	37,990	7	3	..	1	..	..	..	..
Haverhill,	37,818	4	2	2	2	1	..	1	..
Salem,	37,586	8	2	..	..	..	..	..	..
Chelsea,	37,277	15	5	3	1	3	..	..	..
Newton,	36,694	10	3	1	2	..	..	..	..
Fitchburg,	33,017	9	1	..	1	..	..	..	..
Taunton,	30,952	12	3	2	..	1	..	..	..
Everett,	29,108	4	..	1	..	1	..	..	..
Quincy,	28,067	9	2	1	1	..	..	1	..
Waltham,	26,239	8	1	1	3	..	..	1	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	10	3	3	..	2	..	..	..
Brookline,	23,424	..	..	..	..	..	..	..	..
North Adams,	22,125	5	1	2	1	1	1	..	..
Chicopee,	20,187	5	2	..	..	..	..	..	..
Northampton,	19,942	6	2	..	2	..	..	..	..
Medford,	19,638	3	..	..	..	..	..	..	..
Beverly,	15,222	6	..	1	..	1	..	..	..
Newburyport,	14,673	1	1	..	..	..	..	..	..
Hyde Park,	14,492	2	1	..	..	..	..	..	..
Woburn,	14,401	4	1	..	..	..	..	..	..
Melrose,	14,294	6	1	2	1	2	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	4	0	2	..	2	..	..	..
Westfield,	13,609	1	..	..	..	..	..	..	..
Clinton,	13,105	1	0	1	..	..	..	..	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	1	..	1	..	..	..	1	..
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	..	..	..	..	..	..	..	..
Weymouth,	11,585	..	..	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	2	0	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	4	2	2	..	..	1	..	..
Wakefield,	10,266	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup	Typhoid Fever.	Cerebro-spinal Meningitis.
Total of reporting towns,	2,070,496	547	183	104	53	45	6	12	1

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and four deaths were reported from the principal infectious diseases: measles, 3; cerebro-spinal meningitis, 1; diphtheria and croup, 6; typhoid fever, 12; diarrhœal diseases, 33; whooping-cough, 1; erysipelas, 1.

No deaths were reported from scarlet fever, malarial fever, puerperal fever, influenza or small-pox.

There were 45 deaths from consumption, acute lung diseases, 53, still-births, 48.

Deaths under five years of age numbered 183, as compared with 171 for the preceding week.

Deaths from the principal infectious diseases numbered 104,, as compared with 129 for the preceding week.

The death rates for the week were: Boston, 15.94; Worcester, 11.40; Fall River, 11.32; Cambridge, 10.67; Lowell, 16.45; Lynn, 15.53; New Bedford, 17.49; Springfield, 5.66; Lawrence, 15.61; Somerville, 13.53; Holyoke, 14.82; Brockton, 8.71; Malden, 9.58; Haverhill, 5.50; Salem, 11.07; Chelsea, 20.92; Newton, 14.17; Fitchburg, 14.17; Taunton, 20.16; Everett, 7.15; Quincy, 16.67; Waltham, 15.85; Gloucester, ——; Pittsfield, 20.80; Brookline, ——; North Adams, 11.75; Chicopee, 12.88; Northampton, 15.65; Medford, 7.94; Beverly, 20.50; Newburyport, 3.54; Hyde Park, 7.18; Woburn, 14.44; Melrose, 21.83; Leominster, ——; Marlborough, 14.78; Westfield, 3.82; Clinton, 3.97; Peabody, ——; Attleborough, ——; Revere, 4.11; Adams, ——; Milford, ——; Gardner, ——; Weymouth, ——; Framingham, ——; Watertown, 9.28; Plymouth, ——; Southbridge, 19.00; Wakefield, ——.

The total death rate for the week was 13.74, as compared with 14.67 and 15.38 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 28, 1905.

(Under the Provisions of section 32 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	59	Typhoid fever,	91
Diphtheria and croup,	160	Measles,	80
Small-pox,	0	Cerebro-spinal meningitis,	1

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, Oct. 28, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 22,	30.02	44	53	36	62	51		56	W.	W.	10	4		C.	C.			0.00
Monday, . . 23,	30.06	46	53	38	69	62		66	W.	W.	6	5		O.	C.			0.00
Tuesday, . . 24,	30.10	52	62	41	56	76		66	S. W.	S. W.	8	10		C.	O.			T.
Wednesday, . 25,	30.18	45	53	37	61	44		52	N. W.	N.	8	10		O.	O.			0.00
Thursday, . . 26,	30.30	37	42	32	58	63		60	N.	N. E.	12	12		C.	C.			0.00
Friday, . . 27,	30.26	40	48	32	73	68		70	N.	S.	11	8		O.	C.			0.00
Saturday, . . 28,	30.34	49	55	43	69	63		66	W.	N. W.	9	7		O.	O.			0.00
Week, . . .	30.18		52	37				62										T.

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 4, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 44.

Entered at the post-office at Boston as second-class mattsr.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the hoards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 4, 1905.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from: Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	593,598	190	53	36	25	22	..	3	8
Worcester,	127,763	35	12	6	2	2	..	..	4
Fall River,	105,697	34	12	7	6	1	1	..	5
Cambridge,	97,426	23	3	7	4	4	..	..	2
Lowell,	94,845	21	9	5	2	4	..	..	1
Lynn,	77,025	20	6	2	..	1	..	1	..
New Bedford,	74,321	21	8	8	7	3	1	..	3
Springfield,	73,484	14	3	4	..	2	1	1	..
Lawrence,	69,939	33	11	8	9	3	..	1	2
Somerville,	69,188	20	4	4	3	1	..	1	2
Holyoke,	49,124	14	5	4	1	2	1	1	..
Brockton,	47,782	14	3	2	..	2	..	..	..
Malden,	37,990	9	..	4	..	3	..	1	..
Haverhill,	37,818	15	4	..	2	..	..	..	..
Salem,	37,586	16	4	2	2	1	..	1	..
Chelsea,	37,277	6	2	..	1	..	..	..	..
Newton,	36,694	7	..	1	..	..	1	..	..
Fitchburg,	33,017	12	5	2	..	2	..	..	..
Taunton,	30,952	9	3	1	1	1	..	..	..
Everett,	29,108	7	2	..	..	..	..	..	..
Quincy,	28,067	4	2	1	..	1	..	..	..
Waltham,	26,239	7	.	1	..	1	..	..	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	9	1	2	..	1	..	1	..
Brookline,	23,424	7	..	1	1	1	..	..	..
North Adams,	22,125	6	1		..	..	..	..	..
Chicopee,	20,187	6	3	..	..	..	..	..	..
Northampton,	19,942	4	1	..	..	..	..	..	..
Medford,	19,638	3	..	..	2	..	..	..	..
Beverly,	15,222	0	..	..	..	..	..	..	..
Newburyport,	14,673	6	0	..	1	..	..	..	..
Hyde Park,	14,492	2	0	..	..	..	..	..	..
Woburn,	14,401	..	..	..	..	..	..	..	..
Melrose,	14,294	5	0	..	1	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	5	2	..	1	..	..	..	..
Westfield,	13,609	3	2	1	1	..	1	..	..
Clinton,	13,105	6	1	..	..	..	..	..	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	1	..	1	..	1	..	..	..
Adams,	12,482	5	3	1	..	1	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	..	.	..	..	..	..	..	..
Weymouth,	11,585	0	..	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	1	0	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	..	..	..	..	..	..	..	..
Wakefield,	10,266	1	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,102,905	601	165	111	72	60	6	11	27

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and eleven deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 2; erysipelas, 1; cerebro-spinal meningitis, 1; diphtheria and croup, 6; typhoid fever, 11; diarrhœal diseases, 27; whooping-cough, 1.

No deaths were reported from malarial fever, puerperal fever, influenza or small-pox.

There were 60 deaths from consumption, acute lung diseases, 72, still-births, 49.

Deaths under five years of age numbered 165, as compared with 183 for the preceding week.

Deaths from the principal infectious diseases numbered 111, as compared with 104 for the preceding week.

The death rates for the week were: Boston, 16.64; Worcester, 14.25; Fall River, 16.73; Cambridge, 12.28; Lowell, 11.51; Lynn, 13.50; New Bedford, 14.69; Springfield, 9.91; Lawrence, 24.53; Somerville, 15.03; Holyoke, 14.82; Brockton, 15.24; Malden, 12.32; Haverhill, 20.63; Salem, 21.14; Chelsea, 8.37; Newton, 9.92; Fitchburg, 18.90; Taunton, 15.12; Everett, 12.51; Quincy, 7.41; Waltham, 13.87; Gloucester, ——; Pittsfield, 18.72; Brookline, 15.54; North Adams, 14.10; Chicopee, 15.46; Northampton, 10.43; Medford, 7.94; Beverly, ——; Newburyport, 21.26; Hyde Park, 7.18; Woburn, ——; Melrose, 18.19; Leominster, ——; Marlborough, 18.48; Westfield, 11.46; Clinton, 23.81; Peabody, ——; Attleborough, ——; Revere, 4.11; Adams, 20.83; Milford, ——; Gardner, ——; Weymouth, ——; Framingham, ——; Watertown, 4.64; Plymouth, ——; Southbridge, ——; Wakefield, 5.07.

The total death rate for the week was 14.86, as compared with 13.74 and 14.67 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 4, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	87	Typhoid fever,	83
Diphtheria and croup,	147	Measles,	124
Small-pox,	0	Cerebro-spinal meningitis,	3

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, Nov. 4, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 29,	30.56	42	45	38	66	66		66	N.	E.	12	3		C.	C.			0.00
Monday, . . 30,	30.48	40	47	34	69	70		70	N.	N. E.	12	5		C.	C.			0.00
Tuesday, . . 31,	30.23	44	54	35	81	82		82	N. E.	S. E.	1			C.	O.			0.00
Wednesday, Nov. 1,	29.77	50	64	37	97	34		56	S.	W.	5	25		G.	C.			T.
Thursday, . . 2,	30.14	40	46	33	65	45		55	W.	W.	15	6		C.	C.			0.00
Friday, . . 3,	30.22	42	52	32	86	64		75	N. W.	S. E.	4	14		F.	O.			0.00
Saturday, . . 4,	30.02	45	50	40	96	71		84	N. W.	N. W.	12	7		R.	C.			0.00
Week, . . .	30.20		51	36				70										0.48

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 11, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 45.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
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CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 11, 1905.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	593,598	188	46	39	24	25	3	2	2
Worcester,	127,763	39	13	6	3	2	2	..	2
Fall River,	105,697	41	20	7	6	2	..	..	4
Cambridge,	97,426	30	9	6	7	3	2	..	1
Lowell,	94,845	27	7	6	6	3	1	..	1
Lynn,	77,025	20	2	1	1	1	..	..	..
New Bedford,	74,321	26	11	3	2	2	..	..	1
Springfield,	73,484	21	4	4	3	2	..	1	1
Lawrence,	69,939	26	12	8	6	2	..	..	3
Somerville,	69,188	15	3	3	5	1	1	1	..
Holyoke,	49,124	6	3	2	1	..	1	..	1
Brockton,	47,782	9	1	2	..	1	..	1	..
Malden,	37,990	9	2	..	1	..	..	..	..
Haverhill,	37,818	4	1	..	1	..	..	..	..
Salem,	37,586	18	7	3	..	1	1	1	..
Chelsea,	37,277	12	3	2	3	1	..	1	..
Newton,	36,694	11	1	4	1	1	2	..	..
Fitchburg,	33,017	8	4	..	1	..	..	..	..
Taunton,	30,952	..	..	..	..	..	..	..	..
Everett,	29,108	5	2	2	..	..	1	..	..
Quincy,	28,067	5	..	1	..	1	..	..	..
Waltham,	26,239	4	2	1	2	..	1	..	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	6	1	2	..	1	..	..	1
Brookline,	23,424	..	..	..	..	..	..	..	..
North Adams,	22,125	5	1	..	..	..	..	..	..
Chicopee,	20,187	4	0	3	..	3	..	..	..
Northampton,	19,942	7	..	..	..	..	..	..	..
Medford,	19,638	5	1	..	2	..	..	..	..
Beverly,	15,222	8	3	2	..	1	..	..	..
Newburyport,	14,673	6	1	..	..	..	..	..	..
Hyde Park,	14,492	3	0	1	..	..	..	1	..
Woburn,	14,401	5	1	1	1	..	..	..	1
Melrose,	14,294	5	1	1	1	1	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	6	1	1	..	1	..	..	..
Westfield,	13,609	2	..	..	..	..	..	..	..
Clinton,	13,105	5	1	..	..	..	..	..	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	1	..	1	..	1	..	..	..
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	4	2	..	1	..	..	..	..
Weymouth,	11,585	0	..	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	2	0	1	..	1	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	5	3	2	..	..	1	..	1
Wakefield,	10,266	2	..	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,073,376	605	169	115	79	57	16	8	19

* Note.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and fifteen deaths were reported from the principal infectious diseases: measles, 5; scarlet fever, 1; cerebro-spinal meningitis, 6; diphtheria and croup, 16; typhoid fever, 8; diarrhœal diseases, 19; whooping-cough, 1; erysipelas, 2.

No deaths were reported from influenza, malarial fever, puerperal fever or small-pox.

There were 57 deaths from consumption, acute lung diseases, 79, still-births, 46.

Deaths under five years of age numbered 169, as compared with 165 for the preceding week.

Deaths from the principal infectious diseases numbered 115, as compared with 111 for the preceding week.

The death rates for the week were: Boston, 16.47; Worcester, 15.87; Fall River, 20.17; Cambridge, 16.01; Lowell, 14.80; Lynn, 13.50; New Bedford, 18.19; Springfield, 14.86; Lawrence, 19.33; Somerville, 11.27; Holyoke, 6.35; Brockton, 9.79; Malden, 12.32; Haverhill, 5.50; Salem, 24.90; Chelsea, 16.74; Newton, 15.59; Fitchburg, 12.60; Taunton, ——; Everett, 8.93; Quincy, 9.26; Waltham, 7.93; Gloucester, ——; Pittsfield, 12.48; Brookline, ——; North Adams, 11.75; Chicopee, 10.30; Northampton, 18.25; Medford, 13.24; Beverly, 27.33; Newburyport, 21.26; Hyde Park, 10.76; Woburn, 18.05; Melrose, 18.19; Leominster, ——; Marlborough, 22.17; Westfield, 7.64; Clinton, 19.84; Peabody, ——; Attleborough, ——; Revere, 4.11; Adams, ——; Milford, ——; Gardner, 17.36; Weymouth, ——; Framingham, ——; Watertown, 9.28; Plymouth, ——; Southbridge, 23.75; Wakefield, 10.13.

The total death rate for the week was 15.17, as compared with 14.86 and 13.74 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 11, 1905.

(Under the Provisions of section 52 of chapter 73, of the Revised Laws of Massachusetts.)

Scarlet fever,	102	Typhoid fever,	83
Diphtheria and croup,	175	Measles,	200
Small-pox,	0	Cerebro-spinal meningitis,	2

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
For week ending Saturday, Nov. 11, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 5,	30.25	45	54	36	75	69	72	W.	N.	10	4		C.	F.			0.00
Monday, 6,	29.76	48	52	43	72	84	78	S.	W.	8	12		O.	R.			0.15
Tuesday, 7,	29.76	42	44	39	73	96	84	N. W.	N.	9	8		O.	O.			T.
Wednesday, 8,	29.75	42	48	37	83	63	73	N. W.	W.	7	12		O.	F.			0.00
Thursday, 9,	29.96	40	46	35	62	71	66	W.	W.	14	11		C.	C.			0.00
Friday, 10,	30.23	40	46	33	64	64	64	W.	N.	12	8		C.	C.			0.00
Saturday, 11,	30.20	40	50	29	58	57	58	S. W.	S. W.	6	13		C.	C.			0.00
Week,	29.99		49	36			71										0.15

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of October, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	79	106	185	Baking Powder,	1	0	1
Butter,	5	1	6	Canned Goods,	0	4	4
Cheese,	2	0	2	Condensed Milk,	1	1	2
Lard,	1	0	1	Extract Lemon,	2	0	2
Cream,	1	0	1	Extract Vanilla,	2	0	2
Vinegar,	3	3	6	Coffee Substitute,	0	2	2
Spices,	33	3	36	Confectionery,	1	0	1
Cream of Tartar,	5	0	5	Meat Products,	2	0	2
Egg Substitute,	0	1	1	Table Sauces,	11	4	15
Syrups,	2	0	2	Cake,	4	0	4
Maple Syrup,	1	0	1	Drugs,	61	10	71
				Totals,	217	135	352

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Thirteen convictions were secured during the month for selling adulterated foods, as follows: —

No.	Name of Defendant.	Place.	Character of Article Sold.
1	William F. Marshall,	Gloucester,	Milk.
2	William F. Phelps,	Lynn,	Tincture of Iodine.
3	John F. Marshall,	Beverly,	Milk.
4	Wallace H. Martin,	Lynn,	Ale.
5	Ernest L. Davis,	Lynn,	Ale.
6	Lourin M. Rollins,	Lynn,	Ale.
7	George E. Hill,	Lynn,	Ale.
8	Frank Wherty,	Lynn,	Ale.
9	William H. Hennessy,	Lynn,	Porter.
10	Thomas E. Ryan,	Lynn,	Porter.
11	William E. Johnson,	Lynn,	Ale.
12	Sylvester P. Myles,	Lynn,	Ale.
13	Ann M. Brown,	Bedford,	Milk.

The samples of drugs found to be adulterated were: Oleum Limonis, Oleum Olivæ and Tinctura Iodi.

Cities and towns in which samples of food were collected were: Boston, Cambridge, Quincy, Weymouth, Lawrence, Watertown, Beverly, Salem, North Adams, Adams, Williamstown, Waltham, Holyoke, Fall River, Somerville, Newton, Arlington, Brookline, Billerica, Bedford, Grafton, Lowell and Taunton.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of October, 1905.

Number of Sample.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
1509 N	Condensed milk	Gray's Huron Condensed Milk Co., Ubly, Mich.,	Condensed skimmed milk, fat 4.8%.
7974 L	Coffee substitute.	Old Grist Mill "Wheat Coffee," Potter & Wrightington, Boston, "Best Substitute for Coffee."	Contains besides wheat: peas, pea hulls, chicory and *coffee.*
1655 N	Cloves.	Gold Medal Eastern Tea and Coffee Co., Boston.	Clove stems and exhausted cloves.
7668 L	Egg substitute.	"The Economic Wonder," "Contents equal to 36 fresh eggs," Economic Egg Powder Co., Providence.	Chiefly corn starch.
7816 L	Table Sauce.	Worcestershire Sauce. Lea & Perrins, Worcester (Eng.) and N. Y.	Contains salicylic acid.
7840 L	Table Sauce.	Worcestershire Sauce. Lancashire Preserving Co., Liverpool.	Contains salicylic acid.
7896 L	Milk.	Joshua T. Durfee, Tiverton, R. I.	Contains added water.
1837 N	Milk.	J N. Burgess, Fall River.	Contains added water.
1679 N	Olive Oil.	Thompson's Pharmacy, Adams.	Largely cotton seed oil.

NOTES.—During the month 76 dairies were examined. These were situated in the towns of Suffield, Conn., Agawam, Westfield and West Springfield. The majority showed most objectionable conditions, which were brought to the attention of the owners.

The investigation of outbreaks of typhoid fever has been continued. Examination of an outbreak of 14 cases in Swampscott revealed the fact that at least 11 of the victims were among the customers of one milkman, who obtained his supply from farms in Lynn, Swampscott and Rowley. The sources of the milk supply of the other 3 victims could not be determined. All of the farms concerned were visited. Those in Swampscott and Lynn were found to be free from any source of infection, as also were four of those in Rowley. At two of the farms in Rowley, however, a condition of affairs was found which would indicate that at one, or both, the milk had probably become infected with the specific germs of typhoid fever. On one of the farms, 3 cases of the disease had occurred between September 16 and September 26; on the other, 2 cases had occurred some weeks previously. The first mentioned of these farms was well-kept and showed evidence of thrift; the other was generally dirty and untidy. The milk cans, pails, and other utensils were washed in the back room of the house or in the kitchen. The excreta of the patients had been treated with chloride of lime in a pail, which, when not in use, was kept next to the well, twenty feet distant from the room where the cans were washed.

In the town of North Oxford, there occurred, during September, 30 cases of typhoid fever, with 3 deaths. All of these cases occurred in the same part of the town. Investigation exonerated the milk supply. The water supply was drawn from 8 wells. Samples were subjected to chemical analysis, which demonstrated the fact that six of these sources were extensively polluted with sewage. Following the posting of notices forbidding the use of the polluted water, the outbreak declined. The majority of these wells were situated very near vaults at about the same level.

In Springfield, during August and September, typhoid fever became so prevalent as to be regarded as epidemic. More than 100 cases were reported within this period. Investigation showed a large proportion of these cases to occur in the poorer and dirtier parts of the city, where conditions prevailed favorable for the spread of the disease by contact, and through the medium of fruit, vegetables or other articles of food infected by handling. The epidemic could not be traced to either water or milk. The distribution of the cases did not follow the water supply from any particular source, and was not modified by alterations in supply. Less than 1 per cent. of the families supplied with milk from any given source developed cases of typhoid fever. The epidemic seems to have resulted from the occurrence of cases of typhoid fever in regions where personal and domestic habits were favorable for secondary contact infection, and for the transference of infective material to articles of food exposed for sale in small shops and in pedlers' wagons — conditions which later led to the spreading of the disease to epidemic proportions.

Weekly Bulletin

OF THE

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MASSACHUSETTS

FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 18, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

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CITIES AND TOWNS.	* POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	593,598	169	38	29	28	17	4	2	4
Worcester,	127,763	30	6	3	4	..	1	..	..
Fall River,	105,697	27	14	5	4	..	..	..	5
Cambridge,	97,426	20	6	3	5	2	..	..	1
Lowell,	94,845	27	10	5	2	3	1	..	..
Lynn,	77,025	16	3	2	..	1	..	..	..
New Bedford,	74,321	22	4	4	1	3	..	..	1
Springfield,	73,484	16	2	1	2	1	..	..	..
Lawrence,	69,939	20	5	3	4	2	..	1	..
Somerville,	69,188	21		1	3	..	1	..	..
Holyoke,	49,124	7	4	1	2	..	..	..	.
Brockton,	47,782	9		4	..	3	..	..	..
Malden,	37,990	6	2	..	1	..	..	..	..
Haverhill,	37,818	13		4	2	3	1	..	..
Salem,	37,586	18	5	..	2	..	..	..	..
Chelsea,	37,277	8	3	1	..	..	..	1	..
Newton,	36,694	7	..	1	..	1	..	..	..
Fitchburg,	33,017	..	..	..	..	..	..	..	..
Taunton,	30,952	5	0	1	..	..	..	..	..
Everett,	29,108	10	1	2	..	..	1	1	..
Quincy,	28,067	4	3	..	1	..	..	..	..
Waltham,	26,239	11	..	2	1	1	..	1	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	4	1	1	..	..	..	..	1
Brookline,	23,424	10	3	1	..	1	..	..	..
North Adams,	22,125	4	0	..	1	..	..	..	..
Chicopee,	20,187	4	2	..	..	..	..	..	..
Northampton,	19,942	6	0	2	..	..	..	2	..
Medford,	19,638	2	1	..	2	..	..	..	..
Beverly,	15,222	6	..	1	1	1	..	..	..
Newburyport,	14,673	3	1	..	..	..	..	..	..
Hyde Park,	14,492	5	0	..	..	..	..	..	..
Woburn,	14,401	6	..	2	1	1	..	..	1
Melrose,	14,294	3	0	..	..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	2	0	1	..	1	..	..	..
Westfield,	13,609	4	1	..	2	..	..	..	..
Clinton,	13,105	7	2	1	1	..	1	..	..
Peabody,	13,097	..	..	..	..	..		..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	5	..	2	..	2	..	..	..
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	5	3	1	2	1	..	..	..
Weymouth,	11,585	3	0	..	..	..	..	..	..
Framingham,	11,549	..	..	..	..	..	..	..	..
Watertown,	11,202	..	..	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	4	1	3	1	..	1	1	1
Wakefield,	10,266	..	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,073,267	549	126	87	73	44	11	9	14

* NOTE.—The population given is taken from the advance sheets of the Federal Census of Massachusetts for the year 1905.

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Eighty-seven deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 2; cerebro-spinal meningitis, 2; diphtheria and croup, 11; typhoid fever, 9; diarrhœal diseases, 14; whooping-cough, 3; puerperal fever, 1.

No deaths were reported from malarial fever, erysipelas, influenza or small-pox.

There were 44 deaths from consumption, acute lung diseases, 73, still-births, 54.

From measles: Boston, 1. From scarlet fever: Boston, 1; Lynn, 1. From cerebro-spinal meningitis: Worcester, 1; Brockton, 1. From diphtheria and croup: Boston, 4; Worcester, Lowell, Southbridge, Somerville, Haverhill, Everett and Clinton, 1 each. From whooping-cough: Worcester, Lowell and Holyoke, 1 each. From typhoid fever: Boston, 2; Northampton, 2; Lawrence, Chelsea, Everett, Waltham and Revere, 1 each.

Deaths under five years of age numbered 126, as compared with 169 for the preceding week.

Deaths from the principal infectious diseases numbered 87, as compared with 115 for the preceding week.

The death rates for the week were: Boston, 14.80; Worcester, 12.21; Fall River, 13.28; Cambridge, 10.67; Lowell, 14.80; Lynn, 10.80; New Bedford, 15.39; Springfield, 11.32; Lawrence, 14.87; Somerville, 15.78; Holyoke, 7.41; Brockton, 9.79; Malden, 8.21; Haverhill, 17.88; Salem, 24.90; Chelsea, 11.16; Newton, 9.92; Fitchburg, ——; Taunton, 8.40; Everett, 17.86; Quincy, 7.41; Waltham, 21.80; Gloucester, ——; Pittsfield, 8.32; Brookline, 22.20; North Adams, 9.40; Chicopee, 10.30; Northampton, 15.65; Medford, 5.30; Beverly, 20.50; Newburyport, 10.63; Hyde Park, 17.94; Woburn, 21.67; Melrose, 10.91; Leominster, ——; Marlborough, 7.39; Westfield, 15.28; Clinton, 27.78; Peabody, ——; Attleborough, ——; Revere, 20.56; Adams, ——; Milford, ——; Gardner, 21.70; Weymouth, 13.47; Framingham, ——; Watertown, ——; Plymouth, ——; Southbridge, 19.00; Wakefield, ——.

The total death rate for the week was 13.77, as compared with 15.17 and 14.86 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 18, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	80	Typhoid fever,	76
Diphtheria and croup,	173	Measles,	215
Small-pox,	0	Cerebro-spinal meningitis,	0

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Nov. 18, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 12,	29.78	47	56	38	67	67	67	S. W.	S. W.	12	8	C.	F.		0.00
Monday, 13,	29.52	40	56	24	62	79	70	S. W.	N.	10	16	O.	S.		T.
Tuesday, 14,	30.02	23	30	16	60	36	48	N. W.	N. W.	10	5	C.	C.		0.00
Wednesday, 15,	29.90	34	46	22	66	73	70	S. W.	S. E.	7	9	C.	O.		0.04
Thursday, 16,	29.53	46	50	41	87	79	83	S.	N. W.	6	4	O.	O.		T.
Friday, 17,	29.66	40	44	37	69	58	64	W.	W.	20	14	O.	O.		0.00
Saturday, 18,	29.88	40	46	34	78	55	66	W.	W.	9	7	C.	C.		0.00
Week,	29.76		47	30			67								0.04

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 25, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 47.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 25, 1905.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	*POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	593,598	215	57	42	31	25	2	3	4
Worcester,	127,763	39	14	1	6	..	..	..	1
Fall River,	105,697	27	10	9	3	5	1	..	3
Cambridge,	97,426	32	10	6	12	2	1	2	1
Lowell,	94,845	39	15	5	8	2	1	..	1
Lynn,	77,025	23	..	5	..	3	1	1	..
New Bedford,	74,321	28	10	3	6	..	3	..	..
Springfield,	73,484	13	4	3	1	1	..	..	1
Lawrence,	69,939	23	7	5	3	2	..	1	1
Somerville,	69,188	26	4	3	5	1	..	1	1
Holyoke,	49,124	13	7	..	3	..	..	..	.
Brockton,	47,782	12	3	3	..	2	..	..	..
Malden,	37,990	12	3	3	1	3	..	..	..
Haverhill,	37,818	11	2	4	1	2	1	1	..
Salem,	37,586	10	1	4	..	3	1	..	..
Chelsea,	37,277	14	1	2	2	2	..	..	..
Newton,	36,694	11	1	..	..	..	..	..	..
Fitchburg,	33,017	8	2	1	1	1	..	..	..
Taunton,	30,952	17	.	2	3	2	..	..	..
Everett,	29,108	3	..	..	..	..	..	..	..
Quincy,	28,067	2	1	1	..	..	1	..	..
Waltham,	26,239	8	..	1	2	1	..	..	..
Gloucester,	26,006	..	..	..	..	..	..	..	..
Pittsfield,	25,000	9	1	1	..	1	..	..	..
Brookline,	23,424	6	..	..	..	..	..	..	..
North Adams,	22,125	5	0	..	2	..	..	..	..
Chicopee,	20,187	3	0	3	..	2	1	..	..
Northampton,	19,942	5	0	2	..	1	1	..	..
Medford,	19,638	4	2	..	..	..	..	..	..
Beverly,	15,222	5	1	..	..	..	..	..	..
Newburyport,	14,673	8	0	1	1	1	..	..	..
Hyde Park,	14,492	5	0	..	..	..	..	..	..
Woburn,	14,401	9	..	..	2	..	..	..	..
Melrose,	14,294	..	..		..	..	..	..	..
Leominster,	14,290	..	..	..	..	..	..	..	..
Marlborough,	14,072	1	0	..	1	..	..	..	..
Westfield,	13,609	5	..	..	..	..	..	..	..
Clinton,	13,105	4	0	..	..	..	..	..	..
Peabody,	13,097	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,647	2	..	..	1	..	..	..	..
Adams,	12,482	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	11,981	..	..	..	..	..	..	..	..
Weymouth,	11,585	3	1	..	..	..	..	..	..
Framingham,	11,549	..	..	.	..	..	..	..	..
Watertown,	11,202	..	..	..	..	..	..	..	..
Plymouth,	11,118	..	..	..	..	..	..	..	..
Southbridge,	10,947	4	1	1	..	..	1	..	..
Wakefield,	10,266	..	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,080,009	664	158	111	95	62	15	9	13

* NOTE.—The population given is taken from the advance sheets of the Official Census of Massachusetts for the year 1905 and is subject to correction.

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and eleven deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 1; erysipelas, 2; cerebro-spinal meningitis, 3; diphtheria and croup, 15; typhoid fever, 9; diarrhœal diseases, 13; whooping-cough, 3; malarial fever, 1.

No deaths were reported from puerperal fever, influenza or small-pox.

There were 62 deaths from cousumption, acute lung diseases, 95, still-births, 47.

From measles: Boston, 2. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Boston, 1; Lawrence, 1; Brockton, 1. From diphtheria and croup: Boston, 2; New Bedford, 3; Fall River, Lowell, Cambridge, Lynn, Haverhill, Salem, Quincy, Chicopee, Northampton and Southbridge, 1 each. From whooping-cough: Boston, 2; Lowell, 1. From erysipelas: Boston, 1; Springfield, 1. From malarial fever: Boston, 1.

Deaths under five years of age numbered 158, as compared with 126 for the preceding week.

Deaths from the principal infectious diseases numbered 111, as compared with 87 for the preceding week.

The death rates for the week were: Boston, 18.83; Worcester, 15.87; Fall River, 13.28; Cambridge, 17.08; Lowell, 21.38; Lynn, 15.53; New Bedford, 19.59; Springfield, 9.20; Lawrence, 17.10; Somerville, 19.54; Holyoke, 13.76; Brockton, 13.06; Malden, 16.43; Haverhill, 15.13; Salem, 13.83; Chelsea, 19.53; Newton, 15.59; Fitchburg, 12.60; Taunton, 28.56; Everett, 5.36; Quincy, 3.71; Waltham, 15.85; Gloucester, ——; Pittsfield, 18.72; Brookline, 13.32; North Adams, 11.75; Chicopee, 7.73; Northampton, 13.04; Medford, 10.59; Beverly, 17.08; Newburyport, 28.35; Hyde Park, 17.94; Woburn, 32.50; Melrose, ——; Leominster, ——; Marlborough, 3.70; Westfield, 19.11; Clinton, 15.87; Peabody, ——; Attleborough, ——; Revere, 8.22; Adams, ——; Milford, ——; Gardner, ——; Weymouth, 13.47; Framingham, ——; Watertown, ——; Plymouth, ——; Southbridge, 19.00; Wakefield, ——.

The total death rate for the week was 16.59, as compared with 13.77 and 15.17 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 25, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	87	Typhoid fever,	66
Diphtheria and croup,	171	Measles,	290
Small-pox,	0	Cerebro-spinal meningitis,	2

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL	
For week ending Saturday, Nov. 25, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 19,	30.12	35	42	28	66	38		52	W.	N.	10	9		C.	C.			0.00
Monday, . . 20,	30.40	30	38	23	60	34		47	N.	N.	12	10		C.	C.			0.00
Tuesday, . . 21,	30.52	40	50	29	51	45		48	N. W.	N. W.	10	12		C.	C.			0.00
Wednesday, . 22,	30.32	44	54	34	31	38		34	W.	S. W.	14	8		F.	O.			0.00
Thursday, . . 23,	30.17	50	59	42	35	45		40	W.	W.	10	11		O.	C.			0.00
Friday, . . 24,	30.03	56	64	48	48	57		52	S. W.	S. W.	9	15		F.	C.			0.02
Saturday, . . 25,	29.86	52	63	42	77	60		68	S. W.	N. W.	15	12		O.	C.			0.00
Week, . . .	30.20		53	35				49										0.02

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 2, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 48.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 2, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population. Census, 1905.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	595,380	181	44	30	40	23	2	1	..
Worcester,	128,135	30	12	1	5	..	..	..	..
Fall River,	105,762	34	17	6	7	2	2	..	2
Cambridge,	97,434	22	6	3	6	..	3	..	..
Lowell,	94,889	31	12	3	8	3	..	..	..
Lynn,	77,042	15	1	4	..	3	..	..	1
New Bedford,	74,362	25	12	6	8	4	2	..	..
Springfield,	73,540	24	..	2	4	2	..	..	..
Lawrence,	70,050	22	7	3	6	3	..	..	..
Somerville,	69,272	18	5	2	3	..	1	..	..
Holyoke,	49,934	20	4	8	3	5	2	..	..
Brockton,	47,794	4	0	1	..	1	..	..	..
Malden,	38,037	8	1	..	..	..	..	..	..
Haverhill,	37,830	..	..	..	..	..	..	..	..
Salem,	37,627	14	3	3	1	3	..	..	..
Chelsea,	37,289	17	8	2	4	1	..	..	..
Newton,	36,827	5	1	..	1	..	..	..	..
Fitchburg,	33,021	14	4	4	4	1	1	1	..
Taunton,	30,967	..	..	..	..	..	..	..	..
Everett,	29,111	8	1	..	..	..	..	..	..
Quincy,	28,076	3	2	..	2	..	..	..	..
Waltham,	26,282	4	1	..	3	..	..	..	..
Gloucester,	26,011	..	..	..	..	..	..	..	..
Pittsfield,	25,001	8	..	3	1	1	..	2	..
Brookline,	23,436	3	3	..	..	..	..	..	..
North Adams,	22,150	6	1	2	..	2	..	..	..
Chicopee,	20,191	4	0	1	..	1	..	..	..
Northampton,	19,957	..	..	..	..	..	..	..	..
Medford,	19,686	8	1	..	1	..	..	..	..
Beverly,	15,223	4	..	..	1	..	..	..	..
Newburyport,	14,675	7	0	..	1	..	..	..	..
Hyde Park,	14,510	5	1	..	..	..	..	..	..
Woburn,	14,402	11	3	1	2	1	..	..	..
Melrose,	14,297	..	..	..	..	..	..	..	..
Leominster,	14,295	4	0	1	..	1	..	..	..
Marlborough,	14,073	7	0	4	1	4	..	..	..
Westfield,	13,611	5	1	..	3	..	..	..	..
Clinton,	13,105	2	1	..	..	..	..	..	..
Peabody,	13,098	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,659	2	..	1	1	1	..	..	..
Adams,	12,486	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	12,012	3	..	1	..	1	..	..	..
Weymouth,	11,585	2	0	1	..	1	..	..	..
Framingham,	11,548	..	..	..	..	..	..	..	..
Watertown,	11,258	1	0	..	..	..	..	..	..
Plymouth,	11,119	..	..	..	..	..	..	..	..
Southbridge,	11,000	5	2	3	1	..	2	1	..
Wakefield,	10,268	2	..	..	2	..	..	..	..
Webster,	10,018	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,043,004	588	154	96	119	64	15	5	3

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Ninety-six deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 1; cerebro-spinal meningitis, 6; diphtheria and croup, 15; typhoid fever, 5; diarrhœal diseases, 3; whooping-cough, 1.

No deaths were reported from malarial fever, erysipelas, puerperal fever, influenza or small-pox.

There were 64 deaths from consumption, acute lung diseases, 119, still-births, 41.

From measles: Boston, 1. From scarlet fever: Chelsea, 1. From cerebro-spinal meningitis: Boston, 3; Worcester, Somerville and Fitchburg, 1 each. From diphtheria and croup: Boston, Fall River, New Bedford, Holyoke and Southbridge, 2 each; Cambridge, 3; Somerville and Fitchburg, 1 each. From whooping-cough: Holyoke, 1. From typhoid fever: Boston, Fitchburg and Southbridge, 1 each. Pittsfield, 2.

Deaths under five years of age numbered 154, as compared with 158 for the preceding week.

Deaths from the principal infectious diseases numbered 96, as compared with 111 for the preceding week.

The death rates for the week were: Boston, 15.81; Worcester, 12.17; Fall River, 16.72; Cambridge, 11.74; Lowell, 16.99; Lynn, 10.12; New Bedford, 17.48; Springfield, ——; Lawrence, 16.33; Somerville, 13.51; Holyoke, 20.83; Brockton, 4.35; Malden, 10.94; Haverhill, ——; Salem, 19.37; Chelsea, 23.71; Newton, 7.06; Fitchburg, 22.05; Taunton, ——; Everett, 14.29; Quincy, 5.56; Waltham, 7.91; Gloucester, ——; Pittsfield, 16.64; Brookline, 6.66; North Adams, 14.09; Chicopee, 10.30; Northampton, ——; Medford, 21.13; Beverly, 13.66; Newburyport, 24.80; Hyde Park, 17.92; Woburn, 39.72; Melrose, 14.55; Leominster, ——; Marlborough, 25.87; Westfield, 19.10; Clinton, 7.94; Peabody, ——; Attleborough, ——; Revere, 8.22; Adams, ——; Milford, ——; Gardner, 12.99; Weymouth, 8.98; Framingham, ——; Watertown, 4.62; Plymouth, ——; Southbridge, 23.64; Wakefield, 10.13. Webster, ——.

The total death rate for the week was 14.91, as compared with 16.59 and 13.77 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 2, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	100	Typhoid fever,	64
Diphtheria and croup,	139	Measles,	249
Small-pox,	0	Cerebro-spinal meningitis,	2

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Dec. 2, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 26,	29.90	40	46	35	82	93	88	N. W.	E.	7	7	C.	O.		0.00
Monday, 27,	30.12	40	47	34	75	58	67	W.	N. W.	15	10	C.	C.		0.00
Tuesday, 28,	30.32	34	40	27	60	64	62	W.	S. E.	8	8	F.	O.		0.03
Wednesday, 29,	29.62	51	62	40	97	100	98	S. W.	W.	30	15	R.	R.		1.05
Thursday, 30,	30.13	30	47	13	55	42	48	N.W.	N. W.	28	34	O.	C.		T.
Friday, Dec. 1,	30.81	22	33	12	50	65	58	N.	N. W.	4	10	C.	C.		0.00
Saturday, 2,	30.50	40	54	26	93	68	70	S.	S.	13	4	R.	O.		0.00
Week,	30.20		47	27			70								1.08

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 9, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 49.

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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 9, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population. Census, 1905.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	595,380	237	78	30	57	18	3	2	4
Worcester,	128,135	34	12	7	10	3	1	1	2
Fall River,	105,762	25	11	4	7	1	1	..	2
Cambridge,	97,434	25	8	4	5	2	..	1	.
Lowell,	94,889	31	12	6	4	5	..	..	1
Lynn,	77,042	22	3	2	1	1	..	1	..
New Bedford,	74,362	18	5	3	5	1	..	..	2
Springfield,	73,540	26	7	2	6	1	..	..	1
Lawrence,	70,050	28	14	6	9	3	1	..	..
Somerville,	69,272	15	3	1	6	1	..	..	..
Holyoke,	49,934	15	6	1	1	1	..	..	..
Brockton,	47,794	10	1	4	..	3	..	..	..
Malden,	38,037	16	3	..	3	..	..	..	..
Haverhill,	37,830	8	1	1	3	1	..	..	..
Salem,	37,627	..	..	..	..	..	..	..	..
Chelsea,	37,289	11	1	2	5	2	..	..	..
Newton,	36,827	2	..	..	1	..	..	..	..
Fitchburg,	33,021	8	1	..	1	..	..	..	..
Taunton,	30,967	6	0	..	1	..	..	..	..
Everett,	29,111	8	3	1	..	1	..	..	..
Quincy,	28,076	6	3	6	..	3	1	..	1
Waltham,	26,282	6	1	1	1	1	..	..	..
Gloucester,	26,011	..	..	..	..	..	..	..	..
Pittsfield,	25,001	4	..	1	1	..	1	..	..
Brookline,	23,436	..	..	..	..	..	..	..	..
North Adams,	22,150	9	1	1	..	..	..	1	..
Chicopee,	20,191	6	3	2	..	..	..	..	2
Northampton,	19,957	4	0	..	..	..	..	..	..
Medford,	19,686	5	1	..	2	..	..	..	..
Beverly,	15,223	7	1	..	1	..	..	..	..
Newburyport,	14,675	7	1	1	..	..	1	..	..
Hyde Park,	14,510	3	2	..	..	..	..	..	..
Woburn,	14,402	2	..	..	1	..	..	..	..
Leominster,	14,297	..	..	..	..	..	..	..	..
Melrose,	14,295	7	0	..	..	..	..	..	..
Marlborough,	14,073	1	0	..	..	..	..	..	..
Westfield,	13,611	1	..	1	..	..	..	1	..
Clinton,	13,105	3	1	1	1	..	..	..	1
Peabody,	13,098	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,659	2	1	..	..	..	..	..	..
Adams,	12,486	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	12,012	..	..	..	..	..	..	..	..
Weymouth,	11,585	4	0	2	..	2	..	..	..
Framingham,	11,548	..	..	..	..	..	..	..	..
Watertown,	11,258	3	0	..	1	.	..	..	..
Plymouth,	11,119	..	..	..	..	..	..	..	..
Southbridge,	11,000	3	..	2	.	..	..	..	2
Wakefield,	10,268	1	..	..	..	..	..	..	..
Webster,	10,018	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,058,683	629	184	92	133	50	9	7	18

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

Ninety-two deaths were reported from the principal infectious diseases: measles, 5; scarlet fever, 1; cerebro-spinal meningitis, 1; diphtheria and croup, 9; typhoid fever, 7; diarrhœal diseases, 18; whooping-cough, 1.

No deaths were reported from malarial fever, erysipelas, puerperal fever, influenza or small-pox.

There were 50 deaths from consumption, acute lung diseases, 133, still-births, 42.

From measles: Boston, 3; Cambridge, 1; Lawrence, 1. From scarlet fever: Quincy, 1. From cerebro-spinal meningitis: Lawrence, 1. From diphtheria and croup: Boston, 3; Worcester, Fall River, Lawrence, Quincy, Pittsfield and Newburyport, 1 each. From whooping-cough: Brockton, 1. From typhoid fever: Boston, 2; Worcester, Cambridge, Lynn, North Adams and Westfield, 1 each.

Deaths under five years of age numbered 184, as compared with 154 for the preceding week.

Deaths from the principal infectious diseases numbered 92, as compared with 96 for the preceding week.

The death rates for the week were: Boston, 20.70; Worcester, 13.80; Fall River, 12.29; Cambridge, 13.34; Lowell, 16.99; Lynn, 14.85; New Bedford, 12.59; Springfield, 18.38; Lawrence, 20.78; Somerville, 11.26; Holyoke, 15.62; Brockton, 10.88; Malden, 21.84; Haverhill, 11.00; Salem, ——; Chelsea, 15.34; Newton, 2.82; Fitchburg, 12.60; Taunton, 10.08; Everett, 14.29; Quincy, 11.11; Waltham, 11.87; Gloucester, ——; Pittsfield, 8.32; Brookline, ——; North Adams, 21.13; Chicopee, 15.45; Northampton, 10.42; Medford, 13.21; Beverly, 23.91; Newburyport, 24.80; Hyde Park, 10.75; Woburn, 7.22; Melrose, 25.46; Leominster, ——; Marlborough, 3.70; Westfield, 3.82; Clinton, 11.90; Peabody, ——; Attleborough, ——; Revere, 8.22; Adams, ——; Milford, ——; Gardner, ——; Weymouth, 17.95; Framingham, ——; Watertown, 13.86; Plymouth, ——; Southbridge, 14.18; Wakefield, 5.06. Webster, ——.

The total death rate for the week was 15.89, as compared with 14.91 and 16.59 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 9, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	103	Typhoid fever,	72
Diphtheria and croup,	161	Measles,	255
Small-pox,	0	Cerebro-spinal meningitis,	2

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Dec. 9, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 3,	29.77	50	61	39	94	96	95	S. W.	N.	15	21	R.	O.		0.90
Monday, 4,	29.99	34	39	28	91	57	74	N. W.	N. W.	12	14	O.	O.		0.02
Tuesday, 5,	30.46	28	35	22	66	34	45	N. W.	N. W.	14	8	C.	C.		0.00
Wednesday, 6,	30.36	32	38	25	65	61	63	W.	W.	10	8	C.	O.		0.00
Thursday, 7,	30.26	40	46	35	68	64	66	W.	S. W.	10	6	C.	C.		0.00
Friday, 8,	30.24	46	55	36	71	66	68	S. W.	N.	10	12	C.	C.		0.00
Saturday, 9,	30.26	38	39	36	75	70	72	N. E.	E.	15	20	O.	O.		0.07
Week,	30.19		45	32			69								0.99

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of November, 1905: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	104	110	214	Maple Syrup,	0	3	3
Butter,	28	1	29	Extracts,	3	5	8
Cheese,	1	0	1	Honey,	2	0	2
Condensed Milk,	1	0	1	Tea,	1	0	1
Sausages,	12	6	18	Coffee,	4	0	4
Vinegar,	0	1	1	Cocoa,	1	0	1
Spices,	33	3	36	Barley and Malt,	6	0	6
Cream of Tartar,	11	0	11	Malt Liquors,	5	0	5
Hamburg Steak,	2	2	4	Grape Juice,	1	0	1
Peanut Butter,	1	0	1	Wine,	0	2	2
Table Sauce,	3	0	3	Baking Powder,	1	0	1
Oysters,	4	0	4	Drugs,	82	17	99
				Totals,	306	150	456

From the above results it is not possible to draw correct conclusions as to the actual ratio of adulteration, since attention is paid chiefly to those articles which experience has shown to be most subject to adulteration.

Seventeen convictions were secured during the month for selling adulterated foods, as follows: —

No.	Name of Defendant.	Place.	Character of Article Sold.
1	William C. Gervais,	No. Adams,	Butter.
2	Frederick D. Shattuck,	Fitchburg,	Milk.
3	C. Allen Brown,	Watertown,	Milk.
4	Edward W. Hicks,	Fall River,	Milk.
5	Honora Boule,	Fall River,	Milk.
6	Alfred Loiselle,	Fall River,	Milk.
7	Theodore Gamache,	Fall River,	Milk.
8	Henri Turcotte,	Fall River,	Milk.
9	John N. Burgess,	Fall River,	Milk.
10	Michael J. Roulston,	W. Newton,	Milk.
11	William T. Rice,	W. Newton,	Milk.
12	Paul J. Polaski,	Waltham,	Milk.
13	John G. Bailey,	Billerica,	Milk.
14	Charles Lyons,	Billerica,	Milk.
15	Joshua T. Durfee,	Fall River,	Milk.
16	Sarkis H. Tashjian,	Ashland,	Milk.
17	Jack E. Durkee,	Acton,	Milk.

The samples of drugs found to be adulterated were: Æther, Aqua Ammonia, Cera Flava, Extractum Zingiberis Fluidum, Oleum Limonis, Oleum Olivæ, Spiritus Camphoræ, Syrupus and Tinctura Iodi.

Cities and towns from which samples of food were collected were: Boston, Cambridge, Salem, Fall River, Newton, Milton, Somerville, Watertown, North Adams, Adams, Fitchburg, Arlington, Pittsfield, Leominster, Hyde Park, Lawrence, Attleborough, Brookline, Ashland, Acton, Worcester, Concord, South Framingham and Everett.

Commonwealth of Massachusetts.—State Board of Health.

Publication of Results of Analyses of Certain Articles of Food, required by Chapter 272 of the Acts of 1902, for the Month of November, 1905.

Number of Sample.	Character of Sample.	Brand or Name of Manufacturer, Wholesaler or Producer.	Results of Analyses.
8108 L	Milk	Harry A. Tashjian, Ashland.	7.90% total solids. All these samples of milk contained added water.
8110 L	Milk.		7.55% total solids.
8112 L	Milk.		7.87% total solids.
8114 L	Milk.		7.73% total solids.
8116 L	Milk.	Sarkis H. Tashjian, Ashland.	8.25% total solids.
8118 L	Milk.		7.90% total solids.
8120 L	Milk.		9.20% total solids.
8122 L	Milk.		7.70% total solids.
8124 L	Milk.		7.27% total solids.
8126 L	Milk.		7.63% total solids.
8128 L	Milk.		8.35% total solids.
2161 N	Milk.	Wm. Coe, Pittsfield.	9.86% total solids.
2163 N	Milk.		11.83% total solids.
2169 N	Milk.	B Allessian, Pittsfield.	11.06% total solids.
2191 N	Milk.	Frank Loeke, Pittsfield.	10.95% total solids.
1905 N	Lemon Extract.	St. John's. St. John & Co., New York.	0.1% lemon oil. Erroneous formula.
8134 L	Lemon Extract.	Pembroke Mfg. Co., Providenee, R. I.	0.88% lemon oil.
8136 L	Lemon Extract.	Atlantie and Paeifie Tea Co., N. Y.	2.94% lemon oil.
2151 N	Maple Syrup.	Milford Vermont Syrup. "40% Pure Maple, 60% White Sugar." Henry Siegel Co., Boston, Agents.	80% refined eane sugar syrup.
8246 L	Maple Syrup.	Vermont Syrup. Rigney & Co., Brooklyn, New York. "50% Pure Maple Sugar, 50% Roek Candy Syrup."	Largely eane sugar syrup.
2273 N	Mace.	B. Fiseher & Co., New York.	Large admixture of wild mace.
1909 N	Olive Oil.	Alfred Robinson, Fall River.	Cottonseed oil.
8394 L	Olive Oil.	Kimball & Co., Everett.	Cottonseed oil
8362 L	Olive Oil.	B F. Bradbury, Boston.	Cottonseed oil.
2241 N	Olive Oil.	J. F. O'Donnel, Cambridge.	Cottonseed oil.
8388 L	Tinture of Iodine.	Broadway Pharmaey, Everett.	12% of the U. S. P. strength.

DAIRY INSPECTION

During the month of November the inspection of dairies contributing to the Springfield milk supply was continued. The number examined was 300, and the number of cows kept at these places aggregated 2,883. The towns visited, the number of dairies examined in each town, and the total number of cows kept at the dairies examined are given in the table below.

A large number of letters containing suggestions for improvement were sent to producers on whose premises objectionable conditions were found. In most cases so far heard from, owners complied with the suggestions and made the needed changes. The milk of a number of dairies situated in Connecticut, the owners of which declined or failed to remedy unsanitary conditions, was excluded from the Springfield market through the action of the board of health of that city.

	Number of Dairies Examined.	Number of Cows Examined.
Agawam,	4	50
Belchertown,	2	22
Enfield,	12	129
Enfield, Conn.,	17	200
Feeding Hills,	42	334
East Granby, Conn.,	4	43
Granville,	1	19
Longmeadow,	6	111
East Longmeadow,	5	48
Ludlow,	19	259
Somers, Conn.,	32	330
Somersville, Conn.,	3	71
Southwick,	18	193
Springfield,	14	61
Suffield, Conn,	42	373
West Suffield, Conn,	28	222
Westfield,	22	170
Wilbraham,	27	230
North Wilbraham,	2	18
	300	2,883

TUBERCULOSIS EXHIBIT.

By resolve of the General Court of 1905, the State Board of Health was authorized to hold an exhibition illustrative of the means and methods for the treatment and prevention of tuberculosis (consumption).

An exhibition in accordance with the provisions of this resolve will be held in Horticultural Hall, Boston, from Dec. 28, 1905, to Jan. 7, 1906.

This exhibition is composed of photographs, charts, models and specimens, brought together from different parts of the country and illustrative of the methods now employed for the treatment of tuberculosis in hospitals, in sanatoria, and at home; and also of means for preventing the spread of tuberculosis from one person to another.

Tuberculosis is a communicable disease. It is very largely preventable, and often curable. It kills annually in this State more than four thousand people. The prevalence of tuberculosis can be diminished only by knowledge on the part of the people of the nature of the disease, and a general application of the principles underlying its prevention and cure.

The exhibition will demonstrate the fundamental facts about tuberculosis, and, it is hoped, will create a general interest in the campaign against its spread.

The exhibition will be open daily (Sundays included) from 10 A.M. to 11 P.M. Admission is free. Guides will be in attendance to conduct visitors through the exhibition and to explain its significance. Lantern slide demonstrations will be given every evening at half-past eight o'clock in the lecture room adjoining the exhibition hall.

Special meetings will be held daily in the lecture room. Addresses by various speakers will be given upon subjects connected with the prevention of tuberculosis.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 16, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 50.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 16, 1905.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

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				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Boston,	595,380	185	70	28	47	17	2	2	2
Worcester.	128,135	29	12	4	3	1	..	1	1
Fall River,	105,762	38	17	9	8	5	1	..	2
Cambridge,	97,434	15	5	1	3	..	1	..	..
Lowell,	94,889	37	10	5	9	2	1	..	1
Lynn,	77,042	28	8	1	2	..	..	1	..
New Bedford,	74,362	29	9	29	..	5	9	1	..
Springfield,	73,540	19	2	2	4	2	..	..	..
Lawrence,	70,050	24	5	7	7	6	..	1	..
Somerville,	69,272	19	2	2	4	1	..	1	..
Holyoke,	49,934	14	3	1	5	..	1	..	..
Brockton,	47,794	10	2	3	..	2	..	..	..
Malden,	38,037	12	4	2	1	2	..	..	..
Haverhill,	37,830	7	..	2	1	1	1	..	..
Salem,	37,627	14	3	4	2	2	..	1	1
Chelsea,	37,289	14	5	3	1	3	..	..	..
Newton,	36,827	7	4	1	2	1	..	..	..
Fitchburg,	33,021	8	3	..	1	..	..	..	..
Taunton,	30,967	11	2	2	2	1	1	..	..
Everett,	29,111	7	4	2	..	1	1	..	..
Quincy,	28,076	8	3	2	2	..	2	..	..
Waltham,	26,282	10	1	2	1	1	..	1	..
Gloucester,	26,011	..	..	..	..	..	..	..	..
Pittsfield,	25,001	7	..	1	..	..	..	1	..
Brookline,	23,436	6	.	1	..	..	..	..	..
North Adams,	22,150	4	0	..	1	..	..	.	..
Chicopee,	20,191	7	1	..	3	..	..	..	..
Northampton,	19,957	8	0	2	..	2	..	..	..
Medford,	19,686	2	..	..	1	..	.	..	..
Beverly,	15,223	3	..	..	1	..	..	..	..
Newburyport,	14,675	5	0	1	..	1	..	..	..
Hyde Park,	14,510	3	1	1	..	..	1	..	..
Woburn,	14,402	6	3		4	..	..	..	..
Leominster,	14,297	..	..	..	..	..	..	..	..
Melrose,	14,295	1	0	..	..	..	..	..	..
Marlborough,	14,073	2	0	..	..	..	..	..	..
Westfield,	13,611	3	..	1	..	1	..	..	..
Clinton,	13,105	3	1	1	..	1	..	..	..
Peabody,	13,098	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,659	5	2	..	1	..	..	..	..
Adams,	12,486	2	1	1	..	1	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	12,012	..	..	..	..	..	..	..	..
Weymouth,	11,585	1	0	..	..	..	..	..	..
Framingham,	11,548	..	..	..	..	..	..	..	..
Watertown,	11,258	..	..	..	..	..	..	..	..
Plymouth,	11,119	..	..	..	..	..	..	..	..
Southbridge,	11,000	2	2	..	1	..	..	..	..
Wakefield,	10,268	..	..	..	..	..	..	..	..
Webster,	10,018	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Diarrhœal Diseases.
Total of reporting towns,	2,110,706	615	185	121	117	59	21	10	7

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

One hundred and twenty-one deaths were reported from the principal infectious diseases: measles, 15; scarlet fever, 4; cerebro-spinal meningitis, 2; diphtheria and croup, 21; typhoid fever, 10; diarrhœal diseases, 7; whooping-cough, 3.

No deaths were reported from malarial fever, erysipelas, puerperal fever, influenza or small-pox.

There were 59 deaths from consumption, acute lung diseases, 117, still-births, 41.

From measles: Boston, 3; Lowell, 1; New Bedford, 11. From scarlet fever: New Bedford, 3; Brookline, 1. From cerebro-spinal meningitis: Boston, 1; Worcester, 1. From diphtheria and croup: Boston, 2; New Bedford, 9; Quincy, 2; Fall River, Lowell, Cambridge, Holyoke, Haverhill, Taunton, Everett and Hyde Park, 1 each. From whooping-cough: Boston, Fall River and Brockton, 1 each. From typhoid fever: Boston, 2; Worcester, Lynn, Lawrence, New Bedford, Somerville, Salem, Waltham and Pittsfield, 1 each.

Deaths under five years of age numbered 185, as compared with 184 for the preceding week.

Deaths from the principal infectious diseases numbered 121, as compared with 92 for the preceding week.

The death rates for the week were: Boston, 16.16; Worcester, 11.77; Fall River, 18.68; Cambridge, 8.01; Lowell, 20.28; Lynn, 18.90; New Bedford, 20.28; Springfield, 13.43; Lawrence, 17.82; Somerville, 14.26; Holyoke, 14.58; Brockton, 10.88; Malden, 16.41; Haverhill, 9.62; Salem, 19.35; Chelsea, 19.52; Newton, 9.88; Fitchburg, 12.60; Taunton, 18.47; Everett, 12.50; Quincy, 14.82; Waltham, 19.79; Gloucester, ——; Pittsfield, 14.56; Brookline, 13.31; North Adams, 9.39; Chicopee, 18.03; Northampton, 20.84; Medford, 5.28; Beverly, 10.25; Newburyport, 17.72; Hyde Park, 10.75; Woburn, 21.66; Melrose, 3.64; Leominster, ——; Marlborough, 7.39; Westfield, 11.46; Clinton, 11.90; Peabody, ——; Attleborough, ——; Revere, 20.54; Adams, 8.33; Milford, ——; Gardner, ——; Weymouth, 4.49; Framingham, ——; Watertown, ——; Plymouth, ——; Southbridge, 9.45; Wakefield, ——; Webster, ——.

The total death rate for the week was 15.15, as compared with 15.89 and 14.91 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 16, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	118	Typhoid fever,	51
Diphtheria and croup,	139	Measles,	405
Small-pox,	0	Cerebro-spinal meningitis,	3

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Dec. 16, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 10,	29.48	28	37	18	94	53	73	N.	N. W.	20	30	S.	O.		0.83
Monday, 11,	29.72	24	32	15	87	84	86	W.	S.	7	3	O.	O.		T.
Tuesday, 12,	29.92	24	28	20	91	93	92	N.	N. W.	6	8	O.	O.		T.
Wednesday, 13,	30.02	32	44	20	81	60	70	W.	W.	10	9	O.	O.		0.00
Thursday, 14,	30.37	24	36	13	60	52	56	W.	N.	10	16	F.	C.		0.00
Friday, 15,	30.53	16	23	8	87	64	76	N.	N.	12	17	F.	O.		T.
Saturday, 16,	30.34	26	32	20	71	75	73	N.	N.	15	9	O.	O.		T.
Week,	30.05		33	16			75								0.83

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 23, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 51.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JOHN W. BARTOL, M.D., Boston.

CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 23, 1905.

Deaths reported to the State Board of Health in 40 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population. Census, 1905.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Measles.
Boston,	595,380	192	57	27	52	16	1	3	5
Worcester,	128,135	38	15	1	6	..	..	..	..
Fall River,	105,762	33	16	5	8	1	2	..	..
Cambridge,	97,434	17	3	2	2	2	..	..	..
Lowell,	94,889	40	13	7	10	4	..	..	2
Lynn,	77,042	18	2	5	2	4	..	1	..
New Bedford,	74,362	22	5	5	5	4	1	..	..
Springfield,	73,540	17	1	1	2	1	..	..	..
Lawrence,	70,050	30	12	5	6	2	..	1	1
Somerville,	69,272	20	1	6	..	3	3	..	..
Holyoke,	49,934	13	4	2	3	1	..	..	..
Brockton,	47,794	13	1	4	..	3	..	..	..
Malden,	38,037	13	2	..	..	..	..	..	..
Haverhill,	37,830	6	1	..	1	..	..	..	..
Salem,	37,627	9	3	..	..	..	..	..	..
Chelsea,	37,289	11	2	2	1	2	..	..	..
Newton,	36,827	6	4	..	2	..	..	..	..
Fitchburg,	33,021	..	..	..	..	..	..	..	..
Taunton,	30,967	10	2	1	2	1	..	..	..
Everett,	29,111	5	4	..	..	..	..	..	..
Quincy,	28,076	6	3	..	1	..	..	..	..
Waltham,	26,282	5	..	1	..	1	..	..	..
Gloucester,	26,011	..	..	..	..	..	..	..	..
Pittsfield,	25,001	4	..	1	..	1	..	..	..
Brookline,	23,436	11	3	1	1	..	1	..	..
North Adams,	22,150	6	0	1	..	..	..	1	..
Chicopee,	20,191	7	2	..	1	..	..	..	..
Northampton,	19,957	6	0	1	..	..	..	..	..
Medford,	19,686	7	1	..	1	..	..	..	..
Beverly,	15,223	5	2	2	..	1	..	..	..
Newburyport,	14,675	5	0	1	..	..	..	..	..
Hyde Park,	14,510	5	1	..	..	..	..	..	..
Woburn,	14,402	6	..	..	..	..	..	..	..
Leominster,	14,297	..	..	..	..	..	..	..	..
Melrose,	14,295	3	0	1	..	1	..	..	..
Marlborough,	14,073	5	1	1	2	1	..	..	..
Westfield,	13,611	3	..	..	..	..	..	..	..
Clinton,	13,105	2	0	..	..	..	..	..	..
Peabody,	13,098	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,659	3	..	..	1	..	..	..	..
Adams,	12,486	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	12,012	..	..	..	..	..	..	..	..
Weymouth,	11,585	2	0	1	..	1	..	..	..
Framingham,	11,548	..	..	..	..	..	..	..	..
Watertown,	11,258	2	0	1	..	..	..	..	..
Plymouth,	11,119	..	..	..	..	..	..	..	..
Southbridge,	11,000	4	1	4	..	2	1	1	..
Wakefield,	10,268	2	..	..	..	..	..	..	..
Webster,	10,018	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Measles.
Total of reporting towns,	2,086,725	612	162	89	109	52	9	7	8

Deaths from Prevalent Diseases in 40 Cities and Larger Towns of Massachusetts.

Eighty-nine deaths were reported from the principal infectious diseases: measles, 8; scarlet fever, 2; cerebro-spinal meningitis, 4; diphtheria and croup, 9; typhoid fever, 7; diarrhœal diseases, 4; whooping-cough, 2; influenza, 1.

No deaths were reported from malarial fever, erysipelas, puerperal fever or small-pox.

There were 52 deaths from consumption, acute lung diseases, 109, still-births, 49.

From measles: Boston, 5; Lowell, 2; Lawrence, 1. From scarlet fever: Boston and Holyoke, 1 each. From cerebro-spinal meningitis: Worcester, Lawrence, Newburyport and Beverly, 1 each. From diphtheria and croup: Fall River, 2; Somerville, 3; Boston, New Bedford, Brookline and Southbridge, 1 each. From whooping-cough: Boston and Brockton, 1 each. From typhoid fever: Boston, 3; Lynn, Lawrence, North Adams and Southbridge, 1 each. From diarrhœal diseases: Fall River, 2; Lowell and Northampton, 1 each. From influenza: Watertown, 1.

Deaths under five years of age numbered 162, as compared with 185 for the preceding week.

Deaths from the principal infectious diseases numbered 89, as compared with 121 for the preceding week.

The death rates for the week were: Boston, 16.77; Worcester, 15.42; Fall River, 16.23; Cambridge, 9.07; Lowell, 21.92; Lynn, 12.15; New Bedford, 15.38; Springfield, 12.02; Lawrence, 22.27; Somerville, 15.01; Holyoke, 13.54; Brockton, 14.14; Malden, 17.77; Haverhill, 8.25; Salem, 12.44; Chelsea, 15.34; Newton, 8.47; Fitchburg, ——; Taunton, 16.79; Everett, 8.93; Quincy, 11.11; Waltham, 9.89; Gloucester, ——; Pittsfield, 8.32; Brookline, 24.41; North Adams, 14.09; Chicopee, 18.03; Northampton, 15.63; Medford, 18.49; Beverly, 17.08; Newburyport, 17.72; Hyde Park, 17.92; Woburn, 21.66; Melrose, 10.91; Leominster, ——; Marlborough, 18.48; Westfield, 11.46; Clinton, 7.94; Peabody, ——; Attleborough, ——; Revere, 12.32; Adams, ——; Milford, ——; Gardner, ——; Weymouth, 8.97; Framingham, ——; Watertown, 9.24; Plymouth, ——; Southbridge, 18.91; Wakefield, 10.13; Webster, ——.

The total death rate for the week was 15.25, as compared with 15.15 and 15.89 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 23, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	116	Typhoid fever,	88
Diphtheria and croup,	167	Measles,	321
Small-pox,	0	Cerebro-spinal meningitis,	6

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Dec. 23, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 17,	30.10	28	37	19	58	41	50	N.	N.	9	9	O.	C.		0.00
Monday, 18,	29.88	38	51	25	48	20	34	W.	W.	8	12	C.	C.		0.00
Tuesday, 19,	30.12	38	44	33	72	64	68	N. W.	N.	8	2	O.	F.		0.00
Wednesday, 20,	30.34	42	47	36	75	59	67	N.	S. E.	6	4	C.	C.		0.00
Thursday, 21,	29.83	44	51	36	92	96	94	E.	W.	30	8	R.	R.		0.85
Friday, 22,	29.84	45	50	40	78	61	70	S. W.	S. W.	15	12	O.	F.		T.
Saturday, 23,	29.78	36	37	34	75	88	82	S. W.	N. W.	6	5	R.	F.		0.16
Week,	29.98		45	32			66								1.01

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 30, 1905.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XXIII. No. 52.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES HARRINGTON, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 30, 1905.

Deaths reported to the State Board of Health in 39 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from such cities and towns having a population of more than 10,000 inhabitants as have sent to the office of the State Board of Health the death returns of the previous week.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population. Census, 1905.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from					
				Principal Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Measles.
Boston,	595,380	213	65	35	51	23	2	..	4
Worcester,	128,135	40	16	5	2	2	1	..	1
Fall River,	105,762	36	16	8	3	2	..	1	..
Cambridge,	97,434	23	6	5	3	4	..	..	..
Lowell,	94,889	33	17	6	9	1	1	1	..
Lynn,	77,042	20	3	4	2	3	..	..	..
New Bedford,	74,362	23	8	7	3	4	3	..	..
Springfield,	73,540	22	7	3	3	..	2	1	..
Lawrence,	70,050	25	6	5	7	4	1	..	..
Somerville,	69,272	19	4	3	..	3	..	..	..
Holyoke,	49,934	..	..	..	..	.	..	..	..
Brockton,	47,794	14	3	6	..	3	..	2	..
Malden,	38,037	18	2	2	1	2	..	..	..
Haverhill,	37,830	12	1	2	3	1	1	..	..
Salem,	37,627	16	4	3	6	3	..	..	..
Chelsea,	37,289	19	10	..	10	..	..	..	..
Newton,	36,827	10	4	1	..	..	1	..	..
Fitchburg,	33,021	4	1	..	1	..	..	..	..
Taunton,	30,967	5	1	1	..	1	..	..	..
Everett,	29,111	8	2	1	..	..	1	..	..
Quincy,	28,076	11	2	1	2	..	1	..	..
Waltham,	26,282	7	..	3	..	2	..	..	..
Gloucester,	26,011	..	..	..	..	..	..	..	..
Pittsfield,	25,001	8	2	..	1	..	..	..	..
Brookline,	23,436	4	3	..	..	..	..	..	..
North Adams,	22,150	5	2	..	..	..	..	..	..
Chicopee,	20,191	8	1	1	1	1	..	..	..
Northampton,	19,957	10	0	1	..	1	..	..	..
Medford,	19,686	3	..	..	1	..	..	..	..
Beverly,	15,223	2	..	2	..	1	..	1	..
Newburyport,	14,675	2	0	..	..	..	..	..	..
Hyde Park	14,510	2	0	..	..	..	..	..	..
Woburn,	14,402	..	..	..	..	..	..	..	..
Leominster,	14,297	..	..	..	..	..	..	..	..
Melrose,	14,295	2	0	..	..	..	..	..	..
Marlborough,	14,073	4	0	..	..	..	..	..	..
Westfield,	13,611	3	..	2	..	2	..	..	..
Clinton,	13,105	4	0	1	..	1	..	..	..
Peabody,	13,098	..	..	..	..	..	..	..	..
Attleborough,	12,702	..	..	..	..	..	..	..	..
Revere,	12,659	3	1	2	1	1	..	..	1
Adams,	12,486	..	..	..	..	..	..	..	..
Milford,	12,105	..	..	..	..	..	..	..	..
Gardner,	12,012	..	..	..	..	..	..	..	..
Weymouth,	11,585	2	0	..	1	..	..	..	..
Framingham,	11,548	..	..	..	..	..	..	..	..
Watertown,	11,258	1	..	..	..	..	..	..	..
Plymouth,	11,119	..	..	..	..	..	..	..	..
Southbridge,	11,000	7	3	4	..	..	..	..	..
Wakefield,	10,268	3	..	1	1	1	..	..	..
Webster,	10,018	..	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Phthisis.	Diphtheria and Croup.	Typhoid Fever.	Measles.
Total of reporting towns,	2,055,412	651	190	115	112	66	14	6	6

Deaths from Prevalent Diseases in 39 Cities and Larger Towns of Massachusetts.

One hundred and fifteen deaths were reported from the principal infectious diseases: measles, 6; scarlet fever, 4; cerebro-spinal meningitis, 5; diphtheria and croup, 14; typhoid fever, 6; diarrhœal diseases, 9; whooping-cough, 3; erysipelas, 2.

No deaths were reported from malarial fever, puerperal fever, influenza or small-pox.

There were 66 deaths from consumption, acute lung diseases, 112, still-births, 57.

From measles: Boston, 4; Worcester, 1; Revere, 1. From scarlet fever: Boston, 2; Brockton, 1; Waltham, 1. From cerebro-spinal meningitis: Boston, 2; Worcester, Lowell and Lynn, 1 each. From diphtheria and croup: Boston, 2; New Bedford, 3; Springfield, 2; Worcester, Lowell, Lawrence, Haverhill, Newton, Everett and Quincy, 1 each. From whooping-cough: Fall River, 2; Lowell, 1. From erysipelas, Boston, 2. From typhoid fever: Brockton, 2; Fall River, Lowell, Springfield and Beverly, 1 each.

The death rates for the week were: Boston, 18.60; Worcester, 16.23; Fall River, 17.70; Cambridge, 12.27; Lowell, 18.08; Lynn, 13.50; New Bedford, 16.08; Springfield, 15.56; Lawrence, 18.56; Somerville, 14.26; Holyoke, ——; Brockton, 15.23; Malden, 24.60; Haverhill, 16.49; Salem, 22.11; Chelsea, 26.49; Newton, 14.12; Fitchburg, 6.30; Taunton, 8.39; Everett, 14.29; Quincy, 20.37; Waltham, 13.85; Gloucester, ——; Pittsfield, 16.64; Brookline, 8.87; North Adams, 11.74; Chicopee, 20.60; Northampton, 26.05; Medford, 7.92; Beverly, 6.83; Newburyport, 7.08; Hyde Park, 7.17; Woburn, ——; Melrose, 7.28; Leominster, ——; Marlborough, 14.78; Westfield, 11.46; Clinton, 15.87; Peabody, ——; Attleborough, ——; Revere, 12.32; Adams, ——; Milford, ——; Gardner, ——; Weymouth, 8.98; Framingham, ——; Watertown, 4.62; Plymouth, ——; Southbridge, 33.08; Wakefield, 15.19; Webster, ——.

The total death rate for the week was 16.47, as compared with 15.25 and 15.15 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 30, 1905.

(Under the Provisions of section 52 of chapter 75, of the Revised Laws of Massachusetts.)

Scarlet fever,	115	Typhoid fever,	42
Diphtheria and croup,	150	Measles,	458
Small-pox,	0	Cerebro-spinal meningitis,	1

(SIGNED) CHARLES HARRINGTON, M.D.,
Secretary.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
For week ending Saturday, Dec. 30, 1905.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 24,	29.84	33	38	28	66	51	58	W.	W.	12	12	C.	C.		0.01
Monday, 25,	30.01	30	37	24	67	55	61	S. W.	W.	7	7	C.	C.		0.00
Tuesday, 26,	30.06	34	41	26	82	54	68	W.	S. W.	12	16	O.	C.		0.00
Wednesday, 27,	30.07	42	51	32	63	55	59	S. W.	S. W.	10	12	O.	C.		0.00
Thursday, 28,	30.20	46	55	36	66	45	56	W.	S. W.	8	6	C.	C.		0.00
Friday, 29,	29.47	48	58	38	93	81	87	S. E.	W.	15	12	R.	C.		0.39
Saturday, 30,	29.48	41	45	37	76	66	71	S. W.	W.	15	24	F.	C.		0.00
Week,	29.88		46	32			66								0.40

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow; X. = Below Zero.

U. HOLZER
BINDER
BOSTON, MASS.